Construction News

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Pennsylvania—Philadelphia & Reading Ry. made plans for electrification of Germantown and Chestnut Hill Branch, Glenside and Jenkintown Branch and Norristown line. S. T. Wagner, Philadelphia, Ch. Engr.

Maryland—Cumberland & Westernport Electric Ry. plans to rebuild line from Moscow to Barton. B. W. Duncan, Gen. Mgr.

West Virginia—Kanawha Traction and Electric Co. to issue $1,700,000 bonds, $40,000 to be used for improvements in Parkersburg. P. P. Crafts, Parkersburg, Gen. Mgr.

West Virginia—Monongahela Valley Traction Co. soon lets contract for extension of Weston line through Stealey Heights St., Fairmont. E. B. Moore, Fairmont, Gen. Mgr. Noted Sept. 21.

Illinois—Illinois Traction System, Peoria, plans to improve lines around Catlin. G. M. Mattes, Champaign, Vice-Pres.

Illinois—St. Louis & Southern Illinois Electric Ry. plans line from Marion through Harrisburg, Herrin, Benton and West Frankfort to Johnson City. About $3,000,000. W. H. Schott, of Kennedy, Mitchell & Co., New York, interested.

Iowa—Mason City & Clear Lake Railroad Co. plans 1½ mi. new line in Mason City. F. J. Hanlon, Mason City, Gen. Mgr.

Nebraska—Omaha, Lincoln & Beatrice Interurban Co., Lincoln, will build line from Lincoln to Omaha. J. M. Bramlette, Lincoln, Gen. Mgr. Noted Sept. 14.

South Dakota—Mitchell & Northwestern Ry. granted permission by State Railroad Comn. for line from Mitchell to Highmore through Davis, Aurora, Jerauld, Buffalo, Hand and Hyde Counties, about 100 mi. E. R. Tillinghast and W. L. Bruce, Mitchell, interested. Noted Sept. 21.

Missouri—Kansas City Rys., Kansas City, plans to extend Broadway line to 24th St. and Union Station. J. E. Gibson, Kansas City, Gen. Mgr.

Missouri—St. Joseph Railway, Light, Heat and Power Co. plans to acquire St. Joseph & Savannah Interurban Ry. and will build interurban line from St. Joseph to Atchison, Kan., about 20 mi. J. H. Van Brunt, Vice-Pres. and Gen. Mgr.

Idaho—Pocatello Traction and Interurban Ry., Pocatello, plans to extend lines to upper Snake River Valley and Rexburg. C. Gibson, Pocatello, Secy.

Arizona—Geronimo Mining Co., Geronimo, plans standard-gage railway from Geronimo northeast to copper mines, about 6 mi. D. J. Shea, Boston, Mass., Pres.

Oregon—City received no bids for 28⅝ mi. line from Roseburg to Rock Creek. R. L. Whipple, City Clk. L. G. Hocks, City Engr. Noted Aug. 17.

California—Pacific Electric Ry., Los Angeles, plans to rebuild tracks on Santa Monica Blvd. J. McMillan, Los Angeles, Gen. Mgr.

Mexico—E. Cantu, Governor Lower California, soon lets contract for line from Mexicali to San Felipe, about 70 mi. Noted June 8.

Bids In and Contracts Awarded

Ohio—Cleveland, Southwestern & Columbus Ry., Cleveland, let contract grading branch line around Berea to L. F. GOTTE, Berea, about $40,000.

LIGHT, HEAT AND POWER

Proposed Work

Mass., Petersham—Town plans to install electric-lighting system.

Conn., West Cheshire—Bell & Socket Co. made plans for power house at factory.

Penn., Woodbury—Council plans to install electric-light plant.

Va., Fork Union—Fork Union Military Academy plans to install electric-light plant.

N. C., Pilot Mountain—Pilot Electric Co. granted franchise for electric-lighting system in Pilot Mountain. J. Hiatt, interested.

Ga., Dawsonville—Howser Bros. interested in installation of electric-lighting system in Dawsonville.

Fla., Howey—See item under "Water-Works."

Fla., Lake Butler—City election Nov. 9 to vote on $10,000 electric-light plant bonds. B. M. Wilson, Mayor. Noted Sept. 21.

Fla., St. Cloud—See item under "Water-Works."

Miss., Durant—City plans to improve municipal electric-light plant. E. W. Weathers, Supt.

La., Welsh—City plans election to vote on $15,000 bonds for extending electric-light system.

Ky., Georgetown—City election Nov. 7 to vote on $100,000 bonds for electric-light plant and water system.

Ky., Paintsville—See item under "Water-Works."

Ohio, Bellefontaine—Council plans new gas plant. About $50,000.

Ohio, Tiffin—County plans new boiler house and heating plant, about $10,000. Address Clk., Tiffin.

Ohio, Urbana—Northwestern Ohio Light Co., Urbana, plans transmission line from Urbana to Westfield.

Ill., Arenzville—Arenzville Light and Power Co., recently incorporated with $10,000 capital stock, plans electric-light plant. J. C. Pratt, interested.

Wis., Eau Claire—Wisconsin-Minnesota Light and Power Co., Eau Claire, plans to extend transmission lines through Alma.

Iowa, Elkader—Schmidt Bros. & Co. plan to extend transmission lines from Elkader to St. Olaf and Farmersburg.

Iowa, Humboldt—Northern Iowa Gas and Electric Co. granted permission for transmission line in Wright County.

Iowa, Shenandoah—City election Nov. 7 to vote on bonds for electric-light plant.

Minn., Bethel—Eastern Minnesota Power Co., Pine City, granted franchise to install electric-lighting system in Bethel. J. M. Allen, Pine City, Pres.

Minn., Robbinsdale—Council plans to install electric-lighting system.

Kan., Lenora—City election Oct. 26 to vote on bonds for electric-light plant. C. W. Thuma, City Clk.

Kan., Reserve—Citizens voted $7,000 bonds for distribution system. Noted May 11.

Kan., Spring Hill—City plans election to vote on $4,000 bonds for electric-light plant.

Neb., Imperial—Citizens voted $15,000 bonds for hydro-electric-light and power plant. Grant & Fulton, Bankers' Life Bldg., Lincoln, Engr.

Neb., Sterling—Sterling Light and Power Co. made preliminary surveys for 50 mi. transmission lines. W. W. Marks, Gen. Mgr.

Neb., Wolbach—Citizens voted $10,600 electric-light plant bonds. Martz Engineering Co., Orpheum Bldg., Lincoln, Engr.

Neb., York—Public Service Corporation making plans 1-story, 80x120-ft. power house, about $20,000.

N. D., Granville—City plans to install electric-light plant.

Tex., Jacksonville—Jacksonville Electric and Ice Co., recently incorporated with $90,000 capital stock, plans electric-light plant and ice factory in Jacksonville. R. W. Baker, Palestine, interested.

Okla., Buffalo—Citizens voted $15,000 electric-light plant bonds.

Okla., Stroud—City soon receives bids for improving electric-light plant and system. About $7,000. Benham Engineering Co., Colcord Bldg., Oklahoma, Engr.

Okla., Yale—City election soon to vote on $10,000 electric-light plant bonds. G. C. Dale, interested.

Idaho, Pocatello—(Official)—City receiving bids Oct. 26 for street-lighting system in Local Improvement Dist. No. 15. A. R. Dawson, City Clk. J. H. Giles, City Engr. (See adv.)

Utah, Salt Lake City—Utah Power and Light Co. plans electric transmission line to Pacific property, American Fork Dist. M. Cheever, Salt Lake City, Engr.

Ariz., Phoenix—City election Oct. 23 to vote on $600,000 electric-light plant bonds. J. B. Girard, City Engr. Noted June 8.

Ariz., Wickenburg—City receiving bids Oct. 30 for electric-light and power plant and addition to water-works system. H. P. Ward, Town Clk. Noted July 20.

B. C., Grand Forks—Council plans to extend electric-light plant.

B. C., Nelson—Dir. Utica Mines plans to build power plant.

Bids In and Contracts Awarded

Mass., Chicopee Falls—Fiske Rubber Co. let contract boiler house to F. T. LEY & CO.

N. J., New Brunswick—Ringwalt Linoleum Co. let contract boiler house to F. KILGUS, 13 South 6th St., Newark. Noted July 20.

Tenn., Bristol—F. Dulaney and associates let contract dam for hydro-electric plant on Holston River to BRISTOL TRACTION CO., Bristol, about $75,000. Noted Aug. 31.

Ill., Murphysboro—Western Gas and Electric Co. let contract 1-story gas plant to L. W. PETERS, Murphysboro.

Kan., Minneola—City let contract electric-light plant to I. C. BUSHONG CO., Ottawa, $15,877. Noted June 1.

Mo., Kansas City—Kansas City Light and Power Co., 1,500 Grand Ave., let contract subpower station at 205-7-9 Holmes St. to E. L. WINN CONSTRUCTION CO., Midland Bldg., about $7,000.

Ore., Portland—Sisterhood of Good Shepherd awarded contract for power house to LITHERLAND & ABREY, Portland.

BRIDGES

Proposed Work

Mass., Greenfield—Towns of Greenfield and Montague plan bridge to connect towns. About $20,000. F. E. Wells, Greenfield, interested.

Mass., Leominster—City plans to rebuild bridge on Mechanic St. J. H. Johnson, Supt. St.

Conn., Waterbury—City plans bridge over Mad River on South Main St., about $10,000. R. A. Cairns, City Engr.

N. Y., Dansville—(Official)—Steuben County defeated proposition for steel bridge. Noted Oct. 5.

N. Y., Kingston—Ulster County plans 736-ft. bridge at Kingston, about $12,000. J. F. Laughren, Kingston, Supt. Highways. Steel Engineering Co., Park Row Bldg., New York, Engr.

N. Y., Lewiston—Ontario & Niagara Connecting Bridge Co. plans rein.-con. bridge over Niagara River. F. A. Dudley, 45 Falls St., Niagara Falls, in charge.

N. Y., Moira—Franklin County plans steel bridge at Moira, about $4,000. S. A. Howard, Malone, Supt. Highways.

N. Y., New York—(Bronx)—F. H. Kracke, Comr. Bridges, Municipal Bldg., receives bids about Jan. 25 for Eastchester Bridge over Hutchinson River. About $180,000. Noted Jan. 6.

N. Y., Walton—Delaware County plans 2 bridges at Walton, about $7,000. A. L. Van Tassle, Treadwell, Supt. Highways.

N. J., Bloomfield—Bd. Freeholders plan bridge on Willow St.

N. J., Cape May—Comrs. Cape May County plan 3 bridges on Ocean City-Corson's Inlet Rd. over Main Channel, Middle Thoroughfare and Weakfish Creek. Address Clk., Cape May.

N. J., Rahway—Bd. Freeholders Union County rejected bids for repairing Milton Ave. Bridge. New Bids. Address Clk., Elizabeth. Noted Sept. 7.

Penn., Conshohocken—Comrs. Montgomery County, Norristown, plan bridge over Schuylkill River between Conshohocken and West Conshohocken. B. H. Davis, Whitehall Bldg., New York, Pugh & Hubbard, Philadelphia and J. Cresson, County Engr., Norristown, Engr.

Penn., Freedom—City plans bridge across Ohio River between Freedom and Vanport.

Penn., Greensburg—Westmoreland County soon lets contract concrete bridge over Indian Creek, Donegal Township. Address County Clk., Greensburg.

Penn., Lancaster—City plans bridge at College Ave. over tracks of Philadelphia & Reading Ry. S. T. Wagner, Philadelphia, Ch. Engr.

Penn., Rochester—Pennsylvania Lines West of Pittsburgh plans 200-ft. bridge over Beaver River, including 2 steel spans, double-track, etc. T. Rodd, Pittsburgh, Ch. Engr.

Penn., Uniontown—Fayette County making plans for bridge over Monongahela River between Fayette City and Allenport. About $200,000. Address County Clk., Uniontown. Noted Oct. 5.

Penn., Upland—City making plans for bridge over Chester River at Kerlin St.

Penn., Wilkes-Barre—Luzerne County plans bridge over Susquehanna River at West Market St. Address County Clk., Wilkes-Barre.

Md., Georgetown—State Highway Comn., Garrett Bldg., Baltimore, making plans for rein.-con. bridge over Sassafras River. About $50,000. F. H. Zouck, Baltimore, Chn. Comn.

Md., Ocean City—State Highway Comn., Garret Bldg., Baltimore, plans bridge across Synepuxtent Bay. About $200,000. F. H. Zouck, Baltimore, Chn. Comn.

Va., Richmond—C. E. Bolling, City Engr., estimates cost of new Southside Bridge at $704,558.

N. C., Charlotte—Comrs. Mecklenburg and Gaston Counties plan bridge over Catawba River at Sloans Ferry. M. McDonald, Charlotte, Chn. Comrs. Mecklenburg County.

Bridges (Continued)

S. C., Camden—J. T. Mackey, Cashier National Bank of Camden, interested in bridge over Wateree River, about $80,000.

S. C., Gaffney—Supervs. York, Chester and Cherokee Counties plan to rebuild Irene Bridge destroyed by flood. Address County Clk., Gaffney.

Ga., Rome—City plans rein.-con. bridge over Silver Creek, about $6,000. H. T. McCray, City Engr. S. S. King, Supt. Pub. Wks.

La., Boyce—City soon receives bids for bridge over Red River, about $40,000.

La., Houma—City plans steel bridge over Baratorre Canal. R. Chauvin, Mayor.

Tenn., Knoxville—City plans viaduct on Gay St. J. B. McCalla, City Engr.

Ohio, Cleveland—City appropriated $50,000 for West 3d St. bridge. R. Hoffman, City Engr. Noted Oct. 12.

Ohio, Dayton—Montgomery County receiving bids Nov. 4 for steel superstructure for Bridge No. 76, one 240-ft. span and 18-ft. rein.-con. roadway. W. H. Aszling, Dayton, Clk. Noted July 13.

Ohio, Sidney—Shelby County receives bids for Hardin Bridge, Turtle Creek Township, about $6,200. G. P. Atley, Sidney, Audr.

Ill., Lincoln—Lincoln County soon to receive bids for rein.-con. bridge over Kickapoo Creek.

Wis., Glenwood City—City plans rein.-con. bridge.

Wis., Milwaukee—City election Nov. 7 to vote on $250,000 bonds for bridge over Milwaukee River between Oneida and Cedar St. F. G. Simmons, Comr. Pub. Wks. J. C. Pinney, Jr., Supt. Bridges. Noted June 1.

Wis., Sheboygan—City receives bids in spring for viaduct on South 14th St. About $50,000. Klug & Smith, 40 Mack Bldg., Milwaukee, Engr. Noted Aug. 24.

Iowa, Newton—Jasper County receiving bids about Jan. 1 for bridges and culverts. About $25,000. C. O. Edge, Newton, County Audr. Noted Mar. 9.

Minn., Brainerd—City plans bridge in Perry Lake and Camp Creek Townships.

Minn., Mankato—City of Mankato and Nicollet County plan bridge in Mankato. Address County Clk., St. Peter.

Kan., Parsons—Labette County made plans for concrete bridge on Main St. About $7,000. Address County Clk., Oswego.

Kan., Topeka—City making plans for bridge across Kansas River.

Mo., Doniphan—Ripley County receiving bids Nov. 9 for 3 rein.-con. bridges over Ditch No. 2. Address County Clk., Doniphan.

Mo., St. Charles—St. Louis & St. Charles Bridge Co. plans to spend about $180,000 to rebuild highway bridge. Bids until Nov. 1. Hedrick & Hedrick, Kansas City, Engr.

Tex., Waco—City election Nov. 7 to vote on $25,000 bridge bonds. G. B. Gunley, City Engr.

Okla., Claremore—Rogers County soon receives bids for steel bridge, about $21,000. C. Martin, Claremore, Engr.

Okla., Buffalo—Harper County plans to spend $33,000 for bridge work in Center, Good, Little and Saline Townships. Address County Clk., Buffalo.

Okla., Chickasha—Grady County plans election to vote on $100,000 bridge bonds. E. E. Colby, First National Bank Bldg., Chickasha, Engr.

Okla., Oklahoma—City making plans for 5 or 6 rein.-con. bridges. G. V. McClure, City Engr. H. A. Pressey, 47 West 34th St., New York, Consult. Engr.

Colo., Denver—(Press)—Council and officials of 4 railroads entering Denver plan to rebuild 23rd St. Viaduct. About $250,000. J. B. Hunter, City Engr.

N. M., Mora—Mora County plans bridge across Canadian River connecting Wagon Mound and Solano.

Ariz., Florence—Pinal County plans 6 new spans to bridge over Gila River, about $65,000. E. S. Stafford, Florence, County Engr.

Wash., Seattle—Bd. Pub. Wks. approved plans for steel viaduct approach to Fremont Ave. Bridge, about $19,050. F. A. Rapp, City Bridge Engr.

Calif., Live Oak—Sutter County to vote on $300,000 bonds for bridges at Live Oak and Nicolaus. Address County Clk., Yuba City. Noted July 27.

Calif., San Diego—See item under "Water-Works."

Calif., Yuba City—City election Nov. 7 to vote on $300,000 bridge bonds. Noted Apr. 6.

Bids In and Contracts Awarded

Maine, South Portland—City let contract bridge over Long Creek to F. L. FLEMING, Exeter and Washburn St., Portland, about $5,000. Noted July 27.

Penn., Blairsville—City let contract bridge over Robinson Run near Blairsville to G. C. OVERDORF, Blairsville, about $10,000.

Penn., Doylestown—Bucks County let contract repairs to bridge over Nashaminay Creek to DAVID SUTTON, Riegelsville, about $4,500.

Penn., Ebensburg—City let contract Laurel Run bridge in West Taylor Township to B. L. McKILLIP, Hollidaysburg.

Penn., Parnassus—Westmoreland County let contract bridge over Little Puckety Creek to FERRIS ENGINEERING CO., about $8,700. Noted Sept. 28.

Va., Pearisburg—(Official)—Giles County let contract rein.-con. bridge over New River, at Narrows, to CHAMPION BRIDGE CO., Wilmington, Ohio. About $30,970. Noted Sept. 7.

Va., Roanoke—American Viscoe Co. let contract bridge over Roanoke River to ROANOKE BRIDGE AND IRON CO., Roanoke, about $5,000.

Ga., Milledgeville—Baldwin County let contract 2 bridges to INTERNATIONAL STEEL AND IRON CO., Evansville, Ind., about $9,000.

Ohio, Columbus—City let contract repairing Rich St. Bridge to CAPITAL CONSTRUCTION CO., Columbus, about $21 039. Noted Aug. 10.

Ohio, Upper Sandusky—Wyandotte County let contract Hurd Bridge, Crawford Township, to RITTER BROS.

Ill., Lincoln—County let contract bridge over Salt Creek to DECATUR BRIDGE CO., Decatur, about $11,600. Noted July 13.

Ill., New Douglas—City let contract 2 rein.-con. bridges to the PARRON CONSTRUCTION CO., East St. Louis.

Ill., Princeton—Bureau County let contract Red Mills Bridge to JOLIET BRIDGE AND IRON WORKS, North Collins St., Joliet.

Iowa, Council Bluffs—City let contract bridge across Indian Creek to E. A. WICKHAM. About $7,607.

Iowa, Wheatland—(Official)—City let contract bridges to JOHN R. KANE, Charlotte.

Kan., Beloit—Mitchell County let contract White Bridge to J. MADTSON, Beloit, $5,690. Noted June 1.

Mont., Phillipsburg—Granite County let contract bridge over Hellgate River near Iris to O. E. PEPPARD, Missoula, about $5,040. Noted Sept. 21.

Mo., De Soto—City let contract bridge across Big Rover at Kingston's Ford, at $6,830, and bridge across Meramec River at Le May Ferry at $9,975 to MILLER & BOROHERDING.

Tex., Austin—City let contract bridge over Big Walnut Creek to the ALMO CONSTRUCTION CO., San Antonio. About $4,000.

Okla., Chickasha—City let contract 2 small bridges to MIDLAND BRIDGE CO., Midland Bldg., Kansas City, Mo. About $4,450.

Okla., Guthrie—Logan County let contract bridge over Cimarron River to CANTON BRIDGE CO., Canton, about $18,500. Noted Sept. 21.

Wash., Spokane—City received low bid for concrete bridge over Spokane River on Washington St. from C. L. Graves. About $17,747. Noted Sept. 14.

Ore., Portland—City let contract rein.-con. viaduct on St. Helena Rd. to PALMER-ELLISON CO., Henry Bldg., $5,616.

Calif., Santa Barbara—Santa Barbara County let contract rein.-con. bridge across Cat Canyon at Sisquoc and rein.-con. culvert bridge near Guadalupe to M. R. DOMINGUEZ, Carpenteria, about $10,865.

Calif., Willow—(Official)—Glenn County let contract bridge work to ROSS CONSTRUCTION CO., $4,666, and MANNING BROS., $4,625. Noted Sept. 28.

B. C., Victoria—Canadian Northern Ry. let contract bridge to BRUCE & ESCHBACH, American Bank Bldg., Seattle.

WATER-WORKS

Proposed Work

N. Y., Batavia—City receiving bids Oct. 25 for superstructure and appurtenances for pumping station. Chester & Fleming, Pittsburgh, Engr. Noted Aug. 31.

N. Y., Thiells—(Official)—Bd. Mgrs., Letchworth Village, receiving bids Oct. 26 for alterations to storage reservoir. F. A. Vanderlip, Pres. Bd. (See adv.)

N. J., Atlantic City—(Official)—City receiving bids Oct. 26 for c.-i. high-pressure fire-service main. L. Van Gilder, Engr. and Supt. Water Dept. J. B. Thompson, Dir. Parks and Pub. Prop. (See adv.)

Penn., Milton—State Dept. Health approved plans for extension of Mountain Water Co.'s distributing system. H. S. Keirn, Supt.

Penn., Oxford—Plans approved for water system.

Penn., Watsontown—Plans of Watsontown Water Co. approved by State Dept. Health for extension of water system.

Va., St. Paul—City will grant franchise for installing water-works.

Fla., Howey—Howey Land Co. plans pumping station and electric-light plant. J. H. Kelley, 76 West Monroe St., Chicago, Gen. Mgr. F. J. Postel, 343 South Dearborn St., Chicago, Engr.

Fla., St. Cloud—(Official)—City receiving bids Dec. 1 for water-works, power equipment, street paving, sewers and sewage disposal plant. W. A. Ginn, St. Cloud, Engr.-in-Charge. F. B. Kerney, City Clk. (See adv.)

La., Bogalusa—City voted $228,500 bonds for water-works, sewers, street paving and school. Noted Feb. 24.

La., Welsh—See item under "Light, Heat and Power."

Ky., Georgetown—See item under "Light, Heat and Power."

Ky., Paintsville—J. Buckingham interested in project to install water-works and electric-light plant.

Ohio, Defiance—City to sell $125,000 water-works bonds Nov. 2. C. O. Ensign, Audr. Noted Sept. 21.

Ohio, Elyria—Water-Works Dept. will ask Council for appropriation of $150,000 for improving system. J. M. Dougherty, Supt.

Ohio, Geneva—Geneva Water Co. soon receives bids for sedimentation tank and filter plant, about $6,000. J. Reeves, Supt.

Ohio, St. Bernard—(Official)—City to vote in November on $90,000 bonds for water-works extension, water-softening plant and electric-light plant. E. C. Heller, Supt. Noted Oct. 5.

Ohio, Westerville—City to vote Nov. 7 on $30,000 water-works improvement bonds. Richards Engineering Co., 37½ East Long St., Columbus, Engr.

Ohio, West Park—(Official)—Bd. Trustees receiving bids Oct. 23 for 6-in. water main in Bennington and Nichols Ave., and Belleflower and Magnolia Dr. D. W. Nichols, Clk. Noted Oct. 5.

Ohio, Wooster—City election in November to vote on $80,000 water-works bonds. W. J. Sherman Co., 613 The Nasby, Toledo, Consult. Engr. Noted Sept. 21.

Mich., Lansing—Bd. Water and Electric-Light Comrs. receiving bids Nov. 1 for 2 concrete reservoirs. G. C. Crane, Supt. Water-Wks. Noted Aug. 10.

Mich., Mt. Clemens—City plans to spend about $10,000 for improving water-works. A. Kells, Supt.

Mich., Port Huron—St. Clair County plans water main in 10th Ave. L. C. Elliot, Port Huron, Clk.

Ill., Aurora—City making plans for 1,500,000 gal. circular reservoir, about $20,000. D. H. Maury, 53 West Jackson Blvd., Chicago, Engr. T. D. Stinson, Supt.

Ill., Joliet—Bd. Local Impvts. receiving bids Oct. 23 for water main in portion Wilcox St. C. D. O'Callahan, City Engr. Noted June 22.

Wis., Ashland—City plans to extend water system. J. B. La Chapelle, City Clk.

Minn., Cambridge—City election soon to vote on $15,000 water-works bonds.

Minn., Gaylord—See item under "Sewers."

Minn., Lake Crystal—City receiving bids Oct. 27 for water system, about $30,000. J. F. Druar, St. Paul, Engr.

Kan., Argonia—Citizens voted $20,000 water-works bonds. W. B. Rollins & Co., 439 Railway Exchange Bldg., Kansas City, Mo., Engr. Noted Sept. 28.

Kan., Caldwell—City making plans for water-works improvement. About $60,000. Burns & McDonnell, Kansas City, Mo., Engr. I. M. Horton, Mayor. Noted July 27.

Kan., Geuda Springs—City making plans for water system. About $17,000.

Neb., Imperial—City soon receives bids for water system, about $12,000. Grant & Fulton, Bankers Life Bldg., Engr. Noted Aug. 31.

N. D., Hankinson—City made plans for water system, about $20,000. J. F. Druar, 312 Commercial Bldg., St. Paul, Engr. Noted June 8.

Mo., Joplin—City plans extending water mains on Joplin St.

Ark., Ashdown—(Official)—City does not plan water system as stated in Sept. 21 issue.

Tex., Cisco—City plans to extend water system, about $5,000. H. J. Bradshaw, Engr.

Tex., Cooledge—City making plans for water system, about $26,000. H. E. Elrod, Interurban Bldg., Dallas, Engr. Noted May 18.

Tex., Jacksonville—See item under "Light, Heat and Power."

Tex., Galveston—City sold $100,000 water-works bonds. A. M. Burgess, Supt.

Tex., San Benito—City plans water-works. R. A. Riddle, Supt.

Okla., Buffalo—City voted $15,000 water-works bonds. Noted Oct. 5.

Okla., Caney—City plans $18,000 bond issue for water-works.

Okla., Marlow—Citizens voted $25,000 water bonds. L. A. Ponchett, Supt. Noted Oct. 12.

Okla., Skiatook—(Official)—City does not plan water system and electric-light plant as stated in issue of Sept. 28.

Okla., Stroud—City soon receives bids for water system about $18,000. Benham Engineering Co., Colcord Bldg., Engr. Noted June 15.

Okla., Yale—City election soon to vote on $15,000 water-works bonds. G. C. Dale, Pres. Bd.

Water-Works (Continued)

Ariz., Wickenburg—City receiving bids Oct. 30 for extending water system. H. P. Ward, Town Clk. Noted Aug. 17.

Calif., San Diego—City election Nov. 17 to vote on $682,000 bonds for pipe line from Otay dam site to Bonita "Y" and 2 bridges over San Diego River. H. R. Fay, Supt. Noted Oct. 5.

Calif., Salinas—City making plans for storm water system. A. Davies, City Engr.

Ont., Smiths Falls—Council plans filter plant, about $20,000. S. B. Code, Engr.

Bids In and Contracts Awarded

Mass., Newton—City let contract 2 reservoirs on Waban Hill to OLD COLONY CONSTRUCTION CO., 6 Beacon St., Boston, about $75,000.

N. Y., New York (Queens)—(Official)—Dept. Water Supply, Gas and Electricity received low bids Oct. 10 for water mains as follows: (a) Sect. 1, Franklin, Sound Stone and Van Dam St. and Flushing, Nassau, Skillman, Stah, Vandeventer, Wolcott, 5th, 9th and 12th Ave.; (b) Sect. 2, Green, Storm, West, 1st, 2d, 3d, 4th, 5th, 6th and 22d St. and Bayside, Bismarck, Lamartine and Stralton Ave. from James McCoy, 315 East 127th St., Manhattan, (a) $63,103, (b) $23,947; Figliucla Construction Co., 719 Union Ave., Bronx, (b) $22,322; Santor Construction Co., (a) $66,112, (b) $31,535.

Penn., Erie—Hamm.erhill Paper Co. let contract rein.-con. settling basins for 20,000,000-gal. filter plant to H. SHENK CO., Erie. Noted Aug. 17.

Ohio, Youngstown—Liberty Water Co. let contract reservoir dam across Squaw Creek Valley to FLETCHER & JAMES, 1641 Himrod Ave., Youngstown. Noted June 22.

Ohio, Zanesville—City let contract twenty 10-in. wells to R. H. KERSEY, South Bend. Noted Sept. 28.

Ill., Rankin—City let contract water system to THE NATIONAL CO., South Bend Ind., about $7,800; also distribution system, at $17,568.

Wis., Rhinelander—Bd. Pub. Wks. let contract water mains in Maple and Davenport St. to ONEIDA PLUMBING AND HEATING CO.

Kan., Ellis—City let contract improving water system to EVERETT & BURT, Hutchinson. About $11,445. Noted Sept. 28.

Mo., Kansas City—City let contract 5,000 Badger water meters to U. S. WATER AND STEAM SUPPLY CO., Kansas City, $14,875.

Mo., Paris—(Official)—City let contract filter plant to BICKELL CONSTRUCTION CO., Kansas City, about $12,000. Noted Oct. 5.

Mo., Trenton—(Official)—City let contract filter plant to T. H. JOHNSON, Sedalia, $9 948; mechanical equipment for 1,200,000-gal. filter, PITTSBURGH FILTER CO., Pittsburgh, $8,860. Noted Sept. 28.

Calif., Norwalk—Bd. Superv., Los Angeles, received low bid for 32,000-ft. 6-in. and 16,000-ft. of 4-in. banded wood stave or c.-i. pipe line with 2-in. circulating line, 22-ft. diameter wood stave tank on 50-ft. timber power, pumping plant to lift 90-ft. and sinking 12-in. well 400-ft. deep in Water-Works Dist. No. 2 from T. Haverty Co., 517 South Los Angeles St., Los Angeles, $14,395.

SEWERS

Proposed Work

N. Y., Kenmore—City soon receives bids for sanitary sewers in East Hazeltine Ave., about $5,000. E. W. Johnson, 2852 Delaware Ave., Clk. White & Getman, Mutual Life Bldg., Buffalo, Engr. Noted Sept. 28.

N. Y., New York—(Bronx)—D. Mathewson, Borough Pres., receiving bids Oct. 24 for sewers in portions of Westchester Ave., West 230th, West 231st and Lyvere St.

N. J., Union—(Official)—Union Township Comrs., Bergen County, receiving bids Oct. 27 for sewers and disposal plant. John F. Woods, Odd Fellows' Hall, 595 Valley Brook Ave., Lyndhurst, Township Clk. Thomas F. Bowe, East Rutherford, Civil Engr. (See adv.)

Penn., Johnstown—State Dept. of Health approved plans for intercepting sewer. J. R. Crissey, City Engr.

Penn., Kittanning—Borough making plans for intercepting sewer about $10,000. W. Mast, Borough Engr. Noted Aug. 10.

Penn., Lancaster—City plans sewage-disposal plant. F. H. Shaw, Breneman Bldg., Lancaster, Engr.

Penn., New Bethlehem—City plans election to vote on $25,000 bonds for sanitary sewers in Dist. No. 1. E. W. Hess, Clearfield, Engr.

Penn., Pottsville—City plans to install sewage-disposal plant, about $60,000. W. S. Pugh, City Engr.

Penn., Winton—State Dept. of Health approved plans for extension sewers.

Md., Cumberland—See item under "Streets and Roads."

Fla., Arcadia—City to sell $21,000 sewer bonds Nov. 10. Cravens & Kimmel, Parker Bldg., Engr. Noted Sept. 14.

Fla., St. Cloud—See item under "Water-Works."

Ala., Birmingham—City plans 15,000 lin.ft. of 8-in. T. C. pipe with necessary manholes and Y's in vicinity 12th St. and Ave. E. About $14,000. J. Kendrick, City Engr.

La., Bogalusa—See item under "Water-Works."

Ky., Harrodsburg—City plans sanitary sewer in Chestnut St.

Ohio, Cincinnati—F. S. Krug, City Engr., estimates cost of sewer in Baymiller St. from Front St. to Ohio River at $13,890.

Ohio, Cincinnati—City made plans for sewer in right-of-way east of Litherbury St. from Eastern Ave. to Ohio River. About $10,930. F. S. Krug, City Engr.

Ohio, Coshocton—Council passed ordinance for sanitary sewer in Adams St. A. Fisher, City Engr.

Ohio, Hamilton—Council passed resolution for sewers in Progress Ave. and Franklin St. K. E. Krieger, Clk. Council.

Ohio, Lima—City plans to enlarge sewers in Weadock Ave. C. Bryson, City Engr.

Ohio, Marion—Council passed ordinance for sanitary and storm sewer in Farming St. from Ballentine Ave. to Greenwood St. E. S. Ault, City Engr.

Ohio, Middletown—City making plans for sewer in 3rd St. About $47,500. C. E. Morrison, City Engr. Noted July 6.

Ohio, Monroe—(Official)—Bd. Education of Monroe Township Rural School Dist. receiving bids Nov. 4 for sewage disposal plant and sewage to same in connection with new grade and high school. F. S. Rusk and C. Sheets, 145 North High St., Columbus, Arch.

Ohio, Newark—Council passed ordinance for drainage sewer in Woods Ave. C. H. Wells, City Engr.

Ohio, Sandusky—Council passed ordinance for sewer in Central Ave. A. F. Johnston, City Engr.

Ohio, Uhrichsville—G. E. Arnold, Engr., New Philadelphia, making plans for joint sewage-disposal plant for Uhrichsville and Dennison.

Ohio, Youngstown—(Official)—City receiving bids Nov. 8 for sewers in Hillman St. from Indianola to Avondale Ave. F. M. Lillie, City Engr. Noted June 15.

Ind., Decatur—City plans storm sewer along north side Patterson St.

Ind., La Fayette—City made plans for lateral sewers in 3rd, 4th and 5th St. F. J. Vaughn, City Clk. H. B. Overesch, Engr.

Mich., Marshall—City receiving bids Oct. 23 for about 7,200-ft. of 10-, 12-, 15-, 18- and 24-in. storm water sewers. J. D. Wright, Marshall, Recdr.

Ill., Cairo—City receiving bids Oct. 20 for repairing sewers in Commercial Ave., about $21,500. G. Dewey, Engr.

Ill., East St. Louis—City made plans for sewer system in Winstonley Ave., about $400,000. J. M. Griffin, City Clk. Noted Aug. 24.

Ill., Lombard—City making plans for sewer system, about $100,000. W. S. Shields, 8 South Dearborn St., Chicago, Engr.

Ill., Pinckneyville—City plans to spend about $40,000 for sewers.

Wis., Columbus—City receiving bids Nov. 2 for storm sewer. B. Paekpe, Secy. Bd. Pub. Wks.

Wis., Marinette—City plans sanitary sewer in portion Marinette Ave. A. P. Hollis, City Engr.

Wis., Sturgeon Bay—City plans sewer and water systems. C. J. Sangemak, City Clk.

Wis., Wauwatosa—Council plans to spend about $10,000 for storm and sanitary sewers.

Iowa, Burlington—Council passed resolution for sewer system in Hill Dist., about $40,000. H. G. Vollmer, City Engr.

Minn., Farmington—City plans sewer system. J. F. Druar, 314 Commercial Bldg., St. Paul, Consult. Engr.

Minn., Gaylord—City receiving bids Oct. 30 for sewer and water systems. About $40,000. J. F. Druar, Engr. Noted Aug. 24.

Minn., Hutchinson—City plans sewers in Milwaukee Ave. and Brown St. F. N. Moore, City Clk.

Minn., St. Paul—City plans sewers in Jefferson Cretin sewer system No. 2. O. Claussen, City Engr.

S. D., Wessington Springs—City making plans for sewer system and disposal plant. Dakota Engineering Co., Mitchell, Engr.

Mont., Big Timber—City plans sewer system, about $40,000. Gerharz-Jaqueth Engineering Co., First National Bank Bldg., Great Falls, Engr.

Mo., Higginsville—City soon receives bids for sewers system and disposal plant. About $22,000. Burns & McDonnell, Interstate Bldg., Kansas City, Engr. Noted Oct. 12.

Tex., Mineral Wells—(Official)—City receiving bids about Oct. 25 for sewage disposal plant, about $18,000. W. W. McClendon, City Engr. Noted Sept. 28.

Tex., Sherman—Citizens voted $25,000 sewage-disposal plant bonds. S. O. Ellingson, City Engr. Noted Mar. 30.

Okla., McAlester—City plans sanitary sewer. A. H. Kendrick, Engr.

Okla., Marlow—City soon receives bids for sanitary sewers. About $25,000. Benham Engineering Co., Oklahoma, Consult. Engr.

Okla., Stroud—City soon receives bids for sewer, about $6,000. Benham Engineering Co., Colcord Bldg., Oklahoma, Engr.

Okla., Wilburton—City making surveys for sewer system. McIntosh-Walton Engineering Co., Oklahoma, Engr.

Utah, Murray—City soon receives bids for sewer system, about $15,000.

Calif., San Francisco—Bd. Pub. Wks. plans sewers in La Playa Ave. and Great Highway between Lincoln Way and Noriega St. About $40,000. M. M. O'Shaughnessy, City Engr.

Ont., Brantford—Council plans storm sewers in portions Aylmer, Wellington and Nelson St. T. H. Jones, City Engr.

Bids In and Contracts Awarded

Conn., Hartford—City let contract new sewer in Ashfield St. to DeGREGORIO BROS.

N. Y., New York—(Official)—(Bronx)—Borough rejected bids for sewers in Lyvert St.

N. Y., Piermont—Sewer Comrs. let Contract A of sewer system to C. S. EDWARDS CO., 1 Montgomery St., Jersey City, $31,935.

N. Y., Plattsburgh—(Official)—City let contract trunk sewer in Bridge St. to FITZPATRICK & SONS, Plattsburgh. Noted July 13.

N. J., Plainfield—(Official)—Council let contract storm sewer to J. M. KELLEY CONTRACTING CO., 432 Market St., Camden, about $56,997. Noted Sept. 28.

N. J., Redbank—Council let contract 2 sewers in West Redbank to MONMOUTH CONTRACTING CO., Redbank, about $16,813.

N. J., Ridgewood—(Official)—City let contract sanitary sewers in Lincoln and West End Ave., Grand View and McKinley Pl., to J. V. MEOLA, Paterson, $4,224. Noted Oct. 5.

N. J., West Hoboken—R. Emmer, Weehawken, at about $10,000, low bidder joint sewer for West Hoboken and Weehawken. Noted Sept. 28.

Penn., Flourtown—City let contract sewage-disposal plant to GREEN-STARR ENGINEERING CO.

Penn., Harrisburg—City let contract intercepting sewer in old canal and Conestoga St. to G. W. ENSIGN, Harrisburg, about $64,748.

Ohio, Cincinnati—City let contract r .ef sewers in Mitchell and Clinton Spring Ave. and Reading Rd. to KIRCHNER CONSTRUCTION CO., $22,684; Contract No. 5 Avondale Relief sewers, M. J. McCARTHY, $57,782.

Ohio, Cuyahoga Falls—City let contract sewer in Paune Ave. to J. C. DEVINE, Alliance, about $5,300.

Ohio, Newark—Low bidders Eddy St. sewer were Carey-Reed Co., $43,089; Congleton Construction Co., $43,160; Bell Construction Co., $43,915.

Ohio, Piqua—City let contract sewer from Wood St. to Washington Pike to BOYD & COOK, Dayton.

Ohio, Shaker Heights—(Cleveland post office)—Village let contract storm and sanitary sewers to LANESE CO., 816 Columbia Bldg., Cleveland. Noted Sept. 14.

Ohio, Tiffin—(Official)—City let contract sewers in Ohio, Clinton and Industrial Ave. to J. E. KING, Tiffin, $18,553. Noted Sept. 28.

Ohio, Warren—City let contract Highland Blvd. storm and sanitary sewers to H. POFF, Warren; Dawson St. sanitary sewer, J. McCRACKEN, Warren.

Ill., Chicago—City let contract Niles Center Sewer Outlet to T. P. GARLAND, 1453 Belle Plaine, $24,551. Noted Sept. 28.

Ill., Quincy—City let contract sewers in district between 15th and 22nd St. and Cedar and Vine St. to F. REES, about $5,974. Noted May 11.

Wis., Portage—City let contract storm sewer to THILL, MANNING-WHALEN CO., La Crosse. Noted Sept. 21.

Wis., Ripon—Council let contract sewers in Cedar and Liberty St. to M. MIERSWA & SONS.

Wis., Superior—City let contract sewer between Wisconsin and New York Ave. and Belknap and 21st St., Billings Park, to S. A. RICHES & SON, about $8,121.

Iowa, Anthon—(Official)—City let contract sanitary sewers, septic tank and filters to W. B. CARTER, Sioux City. Noted Sept. 21.

Iowa, Denison—City let contract sewers in Main St. to WARD & WEIGHTON CONSTRUCTION CO.

Iowa, Logan—(Official)—City let contract sewers to PUBLIC SERVICE CONSTRUCTION CO., Omaha, about $17,000. Noted Oct. 5.

Kan., Garden City—(Official)—City let contract sanitary sewer system to INTER-MOUNTAIN BRIDGE AND CONSTRUCTION CO., Tecumseh, Neb., about $48,871. Noted Oct. 5.

Mont., Helena—City let contract sewers in Garfield and Flowerree St. to ADIMI BROS.

Mo., Kansas City—City let contract sewers in Dist. No. 360, Div. No. 5, to L. KOEHLER, Produce Exchange Bank Bldg., about $44,776.

Sewers (Continued)

Mo., Slater—City let contract sewers to S. MacDONALD, Moberly, about $10,364.

Tex., Houston—Low bidders storm sewers on West Main St. were F. C. Youmans Construction Co., Houston, $10,187; Houston Construction Co., Houston, $10,338; Hunter & Hunter, Houston, $10,348.

Tex., Sweetwater—City let contract sewer system and disposal plant to J. H. MEYER, Sweetwater, about $40,000. Noted June 1.

Calif., Richmond—City let contract sewers to RAVEN CO., 909 Macdonald Ave.

Calif., San Rafael—City let contract sewers to BAKER & MARTIN, 509 Sheldon Bldg., San Francisco, about $9,370.

Ont., Chatham—Council to lay 12-in. sewer in Grey St. by day labor. W. A. Hammond, Chn. Bd. Wks.

Ont., Pembroke—Council let contract storm sewers to H. J. BEATTY, William St., about $10,000.

GARBAGE

Proposed Work

Tex., Ballinger—City plans incinerator. E. R. Walker, City Health Officer.

Tex., Brady—City plans to install incinerator. F. Y. Jackson, Secy.

Ont., Sarnia—City plans to install incinerator. J. A. Baird, City Engr.

STREETS AND ROADS

Proposed Work

Mass., Webster—Chamber of Commerce plans 80-ft. boulevard from School St. to Thompson, via Myrtle Ave.

Conn., Enfield—Town made appropriation of $25,000 for highways and repairs.

N. Y., New York—(Bronx)—D. Mathewson, Borough Pres., receiving bids Oct. 24 for improving portion West 238th St.

N. Y., New York—(Brooklyn)—L. H. Pounds, Borough Pres., receiving bids Oct. 26 for repaving portion Ashland Pl., Bay 34th and 58th St.

N. Y., White Plains—City plans to curb and pave portion Mamaroneck Ave., concrete, about $5,000. G. R. Bryne, Engr.

N. J., Atlantic City—(Official)—Bd. Chosen Freeholders receiving bids Nov. 4 for road work. A. H. Nelson, County Engr. (See adv.)

N. J., Bayonne—City receives bids until Oct. 24 for 5,100 sq.yd. asphalt pavement. Walter Clarkson, City Engr.

N. J., Camden—Bd. Freeholders of Camden County soon receives bids for paving about 6 mi. Cedar Brook Rd., about $30,000. J. Albertson, Camden, County Engr.

N. J., East Orange—Council passed ordinance to improve North Walnut and Lawrence St., telford; Washington St., wood block or asphalt. W. D. Welligerod City Engr.

N. J., Flemington—Bd. Freeholders of Hunterdon County plans to macadamize road from Croton to Quakertown. Address Clk., Flemington.

N. J., Keyport—Bd. Freeholders of Monmouth County making plans for rebuilding road from Keyport to Red Bank, about $65,000. G. D. Cooper, 120 Broad St., Red Bank, Engr.

N. J., Plainfield—Bd. Freeholders plan to improve Park Ave. Address Clk., Plainfield.

Penn., Connellsville—City plans to repave portion Main St. C. F. Hirst, City Engr.

Penn., Larksville—(Wilkes-Barre post office)—Borough election Nov. 7 to vote on $130,000 paving bonds. F. Butts, Miners' Bank Bldg., Wilkes-Barre, Engr.

Penn., New Eagle—Borough plans to spend $20,000 for paving. A. L. McDicker, Monongahela, Engr.

Penn., Oberlin—Swatara Township Comrs. plan to pave Main St., about $6,000.

Penn., Philadelphia—City making plans for improving Northeast Blvd. about $500,000. C. Albright, City Engr.

Penn., Scranton—Council passed ordinance to pave portion Vine and Olive St. W. Schunck, City Engr.

Penn., South Fork—City soon receives bids for grading, paving and curbing Center St., about $7,000. C. F. Collins Co., Johnstown Engr.

Penn., Wilkes-Barre—City making plans for paving and curbing Beach, Sturdevant, Carlisle and Alexander St., asphalt. B. K. Finch, Engr.

Del., Milford—City plans to pave East and West Front St., brick or bituminous, about $6,000. A. Ross, Engr.

Del., Wilmington—State Highway Comn. New County Bldg., receiving bids Oct. 24 resurfacing portion Concord Turnpike. James Wilson, Wilmington, State Highway Comr. Noted May 18.

Md., Cumberland—Citizens voted $500,000 bonds for street improvements and sewers. R. L. Rizer, City Engr.

Va., Bedford City—Bedford County plans to spend about $100,000 for road work, Central Dist. S. M. Bolling, Bedford City, Clk.

Va., Bedford—Bedford County to sell $75,000 road bonds Oct. 23. Address County Clk., Bedford. Noted July 6.

Va., Norfolk—City plans to pave Allegan St.

Va., Danville—City plans to pave North and South Main St. About $20,000.

W. Va., Logan—Logan County receiving bids Nov. 11 for 2-mi. highway. R. M. Wilson, Logan, County Rd. Engr.

N. C., Durham—City plans to pave Buchanan Rd. with sheet asphalt. H. W. Kuefiner, City Engr.

S. C., Florence—(Official)—City received bids grading portion South Church St. from Atlantic Bitulithic Co. and Simmons-Mayrant Co., both of Charleston. Noted Aug. 31.

S. C., Greenville—(Official)—City receives bids about Dec. 15 for paving and sidewalks, about $130,000. W. F. B. Haynsworth, City Engr. Noted Oct. 5.

Ga., Atlanta—Fulton County receiving bids Oct. 28 for 12,000 yd. paving on Virginia Ave., 10,000 sq.yd. paving on 10th St. and 16,000 yd. gutter, brick, concrete, bitulithic, etc. C. M. Holland, 507 Court House, Pur. Agt. Noted Oct. 12.

Fla., Arcadia—City to sell $90,000 street improvement bonds Nov. 10. Noted Sept. 14.

Fla., Ft. Myers—Lee County to vote Nov. 21 on $190,000 bonds for 63 mi. hard-surfaced roads. Address County Clk., Ft. Myers.

Fla., St. Cloud—(Official)—City receiving bids Nov. 30 for 11,000 sq.yd. paving, about $15,000. W. A. Ginn, St. Cloud, Engr.-in-Charge. Noted Aug. 10.

La., Bogalusa—See item under "Water-Works."

La., St. Francisville—West Feliciana County election Nov. 6 to vote on $67,000 road bonds. R. M. Leake, St. Francisville, Secy. Police Jury.

Tenn., Franklin—Williams County plans election to vote on $125,000 road bonds. J. B. Truett, Franklin, County Clk.

Ky., Hopkinsville—(Official)—Christian County rejected bids for resurfacing Sect. 8 of Jullen Rd. and Sect. 9 of Gracey Rd. New bids. L. J. Harris, Hopkinsville, County Clk.

Ohio, Akron—Summit County soon receives bids for 21,000 sq.yd. brick paving in Stow-Tallmadge Rd. U. G. High, Akron, County Clk. Noted Sept. 21.

Ohio, Bellaire—City plans to grade, pave and curb Spruce and Vine St., brick. A. J. Norton, Engr.

Ohio, Bexley—(Columbus post office)—Village election Nov. 7 to vote on $14,000 road bonds. Jennings, Lawrence & Lindsay, 509 Hartman Bldg., Engr.

Ohio, Boulder—City soon lets contracts for paving 13 streets, rein.-con. O. P. Clark, City Clk.

Ohio, Coshocton—City to sell $10,000 bonds for paving 15th St. Oct. 30. H. Gamble, City Audr.

Ohio, Defiance—Council passed resolution to improve 1st St. E. S. Bronson, Mayor.

Ohio, Dover—City election Nov. 7 to vote on $50,000 paving bonds. G. E. Arnold, City Engr.

Ohio, East Liverpool—Council passed ordinance for grading and culverts on Drexel Ave., about $20,000. J. C. Kelly, Engr.

Ohio, Fostoria—Bids received paving portion Union St. and Myers Ave. from Marsmen & Green, Grand Rapids, Mich., and Modern Construction Co., Fremont. Noted Aug. 10.

Ohio, Fremont—Sandusky County received low bid road in Madison Township from F. W. Foos, about $11,800.

Ohio, Geneva—Ashtabula County plans to pave portion North Ridge Rd. Address County Clk., Jefferson.

Ohio, New Lexington—Perry and Fairfield Counties, New Lexington, receiving bids Oct. 26 for improving about 17 mi. road, $105,000. Address County Clk., New Lexington.

Ohio, Lisbon—Columbiana County receives bids in about 30 days for waterbound macadam roads in Hanover, Perry, Center and Unity Townships. About $103,889. Address County Clk., Lisbon.

Ohio, London—Madison County receiving bids about Nov. 1 for 2¼ mi. waterbound macadam road in Paint Township. A. Blacker, London, Audr. J. Asher, London, Audr.

Ohio, Marietta—City receiving bids about Nov. 1 for 1 mi. concrete paving and grading in alley between 4th and 5th St. and 1 mi. brick paving, stone curb, castings, etc., in Mulberry St. E. Gates, City Engr. Noted Aug. 24.

Ohio, Marysville—City plans to pave portion Elwood Ave., brick. S. B. Harvey, Engr.

Ohio, Massillon—Council passed ordinance to improve Pine, West and Erie St. H. McYost, City Engr.

Ohio, Norwood—City receives bids about Nov. 1 for paving Ida St. J. G. Schmidt, City Engr.

Ohio, Painesville—Lake County plans to pave Richmond Rd. H. P. Cummings, Painesvillem County, Engr.

Ohio, Portsmouth—City passed ordinance to pave Kendall Ave., brick. P. G. Harper, City Engr.

Ohio, Sidney—City receives bids about Jan. 1 for paving various streets, about 6 mi. T. Blake, North Main St., Engr. Noted Sept. 14.

Ohio, Toledo—Lucas County plans 4 mi. concrete paving from Maumee to Waterville. C. Rood, Columbus, Engr.

Ohio, Toledo—Lucas County receives bids about Oct. 26 for paving Michigan Ave., Adams Township. C. Rood, Toledo, Engr. Noted May 25.

Ohio, Toledo—City plans to improve portion Dorr St. H. McKechnie, City Engr.

Ohio, Youngstown—(Official)—City receiving bids Nov. 8 for paving portion Erie St., brick. H. A. Parrock, Dir. Pub. Ser. F. M. Lillie, City Engr. Noted May 18.

Ohio, Youngstown—(Official)—City receiving bids Nov. 8 for paving portion Cassius Ave., brick. H. A. Parrock, Dir. Pub. Ser. F. M. Lillie, City Engr. Noted Oct. 5.

Ind., Columbia City—Whitley County Comrs. receiving bids Nov. 11 for gravel roads. T. A. McLaughlin, Columbia City, Audr.

Ind., Corydon—Harrison County receiving bids Nov. 8 for gravel or macadam road on line between Taylor and Boone Townships. J. L. O'Bannon, Corydon, Audr.

Ind., Fowler—Benton County did not let contracts for roads in Gilboa Township. W. Mankey, Fowler, Audr. Noted Sept. 14.

Ind., Laporte—Laporte County receiving bids Nov. 9 for road in Dewey Township. H. A. Hausheer, Laporte, Audr.

Ind., Laporte—Laporte County Comrs. receiving bids Nov. 9 for road in Clinton Township. F. A. Hausheer, Laporte, Audr.

Ind., Logansport—City soon lets contract for paving Broadway, 1st and 2d St.

Ind., Rensselaer—Jasper County receiving bids Nov. 7 for stone road in Jordan Township and stone road in Jordan and Marion Townships. J. P. Hammond, Rensselaer, Audr.

Ind., Shelbyville—Shelby County Comrs. receiving bids Nov. 8 for gravel roads in Moral Township. F. W. Fagel, Shelbyville, Audr.

Ind., South Bend—F. J. Anderson, City Engr. estimates cost of resurfacing Laporte Ave. at $6,100.

Ind., Winchester—Randolph County Comrs. receiving bids Nov. 9 for concrete road in Ward and Jackson Townships. C. E. Tillson, Winchester, Audr.

Mich., Menominee—City plans to spend about $17,227 for paving various streets. T. Halsey Engr.

Mich., Zeeland—(Official)—City making plans for paving Main, Central and Church St., about $80,000. L. A. Boulay Co., 1248-51 Nicholas Bldg., Toledo, Engr.

Ill., Aurora—Council passed ordinance to pave portion Illinois Ave. M. J. Tarble, City Engr.

Ill., East St. Louis—City plans to spend about $430,000 for wood-block paving. E. F. Harper, City Engr.

Ill., Freeport—City made plans for paving in First Ward, about $12,000. C. S. Hepner, City Engr.

Ill., Kewanee—Henry County made preliminary surveys for Kewanee-Cambridge State-Aid Rd. State appropriated $26,000 toward cost. J. H. Reed, Kewanee, County Supt. Highways.

Ill., Lisbon—Council passed ordinance to pave portion Illinois Ave. M. J. Tarble, City Engr.

Ill., Lyons—Village receives bids about Feb. 1 for paving Prospect and Amelia Ave. and Center St. concrete. E. Hancock, 2047 Ogden Ave., Chicago, Engr.

Ill., McCarroll—City plans to spend about $10,000 for brick paving. C. S. Hepner, Freeport, Engr.

Ill., Oak Park—City plans to pave alley from Lake to Cedar St. and from Harlem to Manson St., brick. W. F. Sargent, Engr.

Ill., Rockford—Winnebago County plans election to vote on $1,500,000 road bonds. Address Clk., Rockford.

Wis., Janesville—Bd. Pub. Wks. receiving bids Oct. 28 for curbing and guttering 8 streets. C. V. Kerch, City Engr.

Wis., Oconomowoc—City plans to pave various streets. A. O. Hansen, City Clk.

Wis., Princeton—City plans to pave about 7,000 sq.yd. brick. H. H. Rimtle, City Clk.

Iowa, Des Moines—City plans to pave portion Arthur Ave. Karl Kastberg, City Engr.

Minn., St. Paul—(Official)—City rejected bids for grading Madison St. New bids Oct. 30. Noted Sept. 14.

Minn., St. Paul—City voted $124,850 for wood block paving. O. Claussen, City Engr.

Minn., St. Paul—Council plans to pave portion Prior Ave., $24,926, and Minnehaha St., $10,768. O. Claussen, City Engr.

Kan., Atchison—(Official)—City to receive bids about Mar. 1 for paving portion 6th St. F. A. Altman, City Engr. Noted Oct. 5.

Kan., Winfield—City plans to pave John and Blandon St. W. C. Hall, City Clk.

S. D., Brookings—City plans to curb and pave number of streets. C. A. Trimmer, Madison Engr.

S. D., Watertown—Codington County plans to spend about $10,000 for road work. J. S. Johnson, Watertown, Audr.

Mont., Butte—City soon lets contracts for improvement work in Dists. Nos. 199, 200, 201, 202, 203, 204, 206 and 214. J. J. Armstrong, City Engr.

Streets and Roads (Continued)

Mo., Moberly—City plans to pave portion Lyons St. J. F. Curry, City Clk.

Mo., Springfield—City plans to repave portion Main St., brick. O. D. Chrisman, City Engr.

Mo., Stanberry—City will not let contract for paving until spring. Black & Veatch, Interstate Bldg., Kansas City, Engr. Noted Aug. 31.

Ark., Newport—Comrs. Rd. Impvt. Dist. No. 1 plan to improve 10½-mi. road. About $50,000. R. D. Wilmans, Comr.

Tex., Corpus Christi—(Official)—City receiving bids Oct. 27 for paving. About $65,000. H. A. Stevens, City Engr. Noted Sept. 28.

Tex., Dallas—Dallas County election Nov. 7 to vote on $500,000 road bonds. Address County Clk., Dallas.

Tex., Denton—Denton County election Nov. 15 to vote on $900,000 road bonds. Address County Clk., Denton.

Tex., Lufkin—Angelina County plans $50,000 bond issue for road work. T. L. Dunn, Lufkin, County Clk. Noted June 29.

Tex., Marble Falls—City plans election to vote on $100,000 road bonds.

Tex., Quitman—Wood County, Rd. Dist. No. 6, voted $150,000 road bonds. Address County Clk., Quitman. Noted Sept. 28.

Tex., Victoria—City plans to pave business district.

Okla., Bartlesville—Washington County plans election in December to vote on $600,000 road bonds. Address County Clk., Bartlesville. Noted Sept. 14.

Okla., Clinton—City soon receives bids for paving in business district, about $80,000. Benham Engineering Co., Colcord Bldg., Oklahoma, Engr. Noted Sept. 14.

Okla., Holdenville—City making plans for paving various streets. Mackintosh-Walton Engineering Co., 1023 State National Bank Bldg., Oklahoma, Engr.

Okla., Lawton—Comanche County plans election to vote on $225,000 road bonds. Address Clk., Lawton.

Okla., Muskogee—City soon receives bids for resurfacing various streets, asphalt. H. H. White, Engr.

Okla., Oklahoma—City soon receives bids for paving portions 32d, 37th, 11th, 12th, 13th, 14th St., Lincoln Blvd. and North Broadway, asphalt. G. V. McClure, City Engr.

Okla., Oklahoma—Oklahoma County making plans for hardsurfacing about 6 mi. road. H. Adams, Oklahoma, Engr.

Okla., Tulsa—City plans to resurface viaduct at 3d and Lawton St. H. H. Wyss, City Engr.

Idaho, Pocatello—Council passed ordinance to pave North Main St., asphalt, wood blocks or bitulithic, about $69,679; grading, gravelling walks, etc., on North St., about $51,848; West Bridge St., $28,968. J. H. Giles, City Engr.

Idaho, Pocatello—(Official)—City receiving bids Oct. 26 for paving in Local Improvement Dist. No. 20 A. R. Dawson, City Clk. J. H. Giles, City Engr. (See adv.)

Utah, Ogden—City plans boulevard along Ogden River. J. M. Tracy, City Engr.

Utah, Salt Lake City—City receiving bids Oct. 24 for sidewalks. S. Q. Cannon, City Engr.

Wash., Bellingham—City soon lets contract for paving G St., about $15,000. W. H. North, City Engr.

Wash., Bothell—City plans to pave various streets. C. H. Reeves, Henry Bldg., Seattle, Engr.

Wash., Spokane—Spokane County plans to spend about $197,500 for highways during 1917. J. W. Strack, Spokane, County Engr.

Wash., Tacoma—City making plans for paving Dock St., brick or stone. W. C. Raleigh, City Engr.

Ore., Fossil—Wheeler County plans election in November to vote on $800,000 road bonds. Address County Clk., Fossil.

Calif., Calexico—City plans to pave various streets.

Calif., Fresno—Council plans to pave portion Tulare Ave. B. E. Cronkite, City Engr.

Calif., Modesto—Stanislaus County election Nov. 7 to vote on $1,482,000 road bonds. E. H. Annear, Modesto, County Engr. Noted Aug. 10.

Calif., Salinas—County receiving bids Nov. 6 for grading part of Watsonville-San Juan Highway. T. P. Joy, Salinas, County Clk.

Calif., San Diego—Council plans to improve portion Lewis St. and Ft. Stockton. Dr. G. Cromwell, City Engr.

Ont., Brantford—Council passed ordinance to pave northern end Lorne Crescent. T. H. Jones, City Engr.

Ont., Galt—Council plans to pave Main and Water St. J. McCartney, Clk.

Ont., Hamilton—Council plans to pave Fairview Ave., asphalt, about $5,000. E. R. Gray, City Engr.

Ont., Hamilton—Council plans cement sidewalks on Elm, Strachan and Province St. E. R. Gray, City Engr.

Ont., Ottawa—City plans to pave portion Booth St. About $34,694. N. H. Lett, City Clk.

Bids In and Contracts Awarded

Mass., Boston—City let contract paving various streets in Brighton, Dorchester, East Boston and West Roxbury Dists. to CENTRAL CONSTRUCTION CO., 228 Southampton St., about $173,187. Noted Oct. 12.

Mass., Boston—City let contracts paving various streets in Brighton, Dorchester, Roxbury and West Roxbury Dists. to M. DE MATTEO, 146 Dudley Ave., Roslindale, about $61,242. Noted Oct. 12.

Mass., Gloucester—State Highway Comn. let contract highway to PERINNI CONSTRUCTION CO., Ashland, about $17,700.

Mass., Marlboro—City rejected bids for resurfacing Highland St. Noted July 27.

Mass., Pelham—State Highway Comn. let contract highway to CORDNER & MONTAGUE, Springfield, $13,223.

Mass., Somerville—City let contract paving Union Sq. to HASSAM PAVING CO., 390 Main St., Worcester. Noted Aug. 10.

Mass., Southbridge—City let contract road along Dudley River to T. McGOVERN, about $15,000.

N. Y., Amsterdam—City let contract improving portion East Main St. to TROY PAVING CO., Troy, about $4,355. Noted Oct. 5.

N. Y., New York—(Brooklyn)—(Official)—Borough let contracts paving to: Cranford Co., 52 9th Ave., 85th St., $5,100; 15th Ave., $4,676; UVALDE ASPHALT PAVING CO., 1 Broadway, Manhattan, Ocean Ave., $24,650; GRIMM CONSTRUCTION CO., Snyder Ave., $6,290; B. TURECAMO, 24th Ave., $6,111. Noted Oct. 5.

N. Y., New York—(Brooklyn)—Borough Pres. received bids for improving portion Maspeth Ave. from Rosenthal Engineering and Contracting Co., 65 Hooper St., Brooklyn, $7,578; Newman & Carey Co., $7,622; F. J. Gallagher, $9,459. Noted Oct. 5.

N. Y., Peekskill—City let contract paving Washington and South St. and Welcher Ave. to H. B. SPROUL, Flatiron Bldg.

N. J., Belmar—(Official)—Council let contract improving portion F St. to JENNINGS-LAUGHLIN CO., Asbury Park, about $27,602. Noted Sept. 14.

N. J., Belvidere—(Official)—Warren County let contract improving Sect. 1, Hope-Bridgeville Rd., to SMITH BROS. & CO., Hackettstown. Noted Sept. 21.

N. J., Cliffside Park—Council let contract improving Know Ave. to BERGEN CONTRACTING CO., Cliffside Park, about $10,000.

N. J., Elizabeth—(Official)—City let contract paving to CONTINENTAL PUBLIC WORKS CO., New York, about $45,000. Noted Sept. 21.

N. J., Hackensack—Bd. Chosen Freeholders Bergen County let contract resurfacing roads to G. C. BENNETT, Magnolia Ave., Park Ridge, about $5,500.

N. J., Montclair—Town let contract paving and curbing South Fullerton Ave. to STANDARD BITULITHIC CO., 50 Church St., New York, about $26,000. Noted Sept. 28.

N. J., Montclair—City let contract curbing and paving Stonebridge Rd. to D. FISSCO, Glen Ridge Ave., Glen Ridge.

N. J., Montclair—City let contract paving and curbing Grant St. to STANDARD BITULITHIC CO., 50 Church St., New York, $4,777.

N. J., Newark—City rejected bids for paving portion Jefferson St. Noted Sept. 7.

N. J., Perth Amboy—City let contract curbing and grading 1st, Paterson and Lewis St. to GRAHAM & McKEON, 264 Smith St.

N. J., Telford—Bergen County let contract road work to G. C. BENNETT, Magnolia Ave., Park Ridge, about $6,900.

Penn., Allentown—City let contract paving portions North 7th, North 6th and Linden St. to BARBER ASPHALT PAVING CO., Land Title Bldg., Philadelphia, about $53,138. Noted Oct. 12.

Penn., Altoona—City let contract paving various strets to LOOMIS & KING, Central Trust Bldg.

Penn., Archbald—City let contract paving road between Archbald and Eynon and entire Main St. of Eynon to SWEENEY BROS., Scranton, $1.78 per sq.yd.

Penn., East Vandergrift—City let contract paving to DUSTER CONTRACTING CO., about $16,000.

Penn., Farrell—Shenango Land Co., 707 Broadway, let contract paving to W. C. McINTYRE & SONS, Sharon, about $32,000.

Penn., Hopewell—City let contract paving to D. ALEXANDER, Mechanics Bldg., about $15,000.

Penn., Norwood—Prospect Park Council let contract paving 10th, 11th and 13th Ave. and Amosland Rd. to UNION PAVING CO., Philadelphia, and J. L. GALLOWAY, Norwood. About $35,000.

Penn., Philadelphia—City let contract paving and repaving various streets to M. & J. McHUGH, 892 North Market St., about $10,000.

Penn., West View—(Official)—(Pittsburgh post office)—City let contract improving portion Chalfonte Ave. to AUSTIN & MATTHEWS, about $4,994. Noted

Md., Baltimore—City let contract paving portion Gay St. to BALTIMORE ASPHALT BLOCK AND TILE CO., Monroe and Lorman St. Noted Oct. 12.

Md., Baltimore—City let contract paving portion Lexington and Etting St. to P. FLANIGAN & SONS, Harford Ave. and 25th St.

Md., Takoma Park—(Washington post office)—City let contract roads, curbs and sidewalks to W. F. BRENNINGER CO., 141 Q St., N. W., Washington, about $8,000.

Va., Petersburg—City let contract 10,000 sq.yd. paving to J. W. TALLEY and R. H. VARNELL, E. P. Goodwyn, Com. Clk.

W. Va., Harrisville—Ritchie County let contract 19 mi. brick road in Clay Dist. to WINTON & CO., 290 Broadway, New York, about $240,000. Noted June 29.

W. Va., Lewisburg—Greenbrier County let contract road work in White Sulphur Dist. to WEAVER & GLOVER, Charleston. Noted Mar. 23.

W. Va., Lewisburg—Greenbrier County let contract road work in Lewisburg Dist. to SANDSKLINE CO., Morristown, N. J. Noted Mar. 23.

W. Va., Stealey Heights—(Clarksburg post office)—City let contract improving Stealey and Duncan Ave., Davis St. and alley between Hartland and Alexander Ave. to H. W. MITCHELL, 316 North Ave., Clarksburg, about $20,500.

W. Va., White Sulphur Springs—Greenbrier County, Lewisburg, let contract improving Kanawha Turnpike on James River to WEAVER & GLOVER, Charleston.

Fla., Jacksonville—(Official)—City let contract 1,974 sq.yd. brick paving to WILSON CONSTRUCTION CO., Jacksonville; 3,849 sq.yd. asphalt paving to BRYSON BROS. Noted Sept. 14.

Fla., Starke—City let contract 30,000 sq.yd. paving to R. L. DAVIS, Tampa.

Miss., De Kalb—(Official)—County let contract roads in Dist. No. 1 to CUNNINGHAM & TATE, Brooksville, $62,487. Noted Sept. 28.

Miss., Grenada—(Official)—Grenada County let contract 50 mi. sand clay roads to be part of Jefferson Davis Highway to MORRISON CONSTRUCTION CO., Greenwood, $53,822. Noted Sept. 21.

La., Alexandria—(Official)—Rapids Parish, Rd. Dist. No. 6, let contract about 17 mi. gravel road to SMITH BROS., Coushatta, $42,688. Noted Sept. 28.

Ky., Frankfort—Nicholas County, Carlisle, let contract improving 2½ mi. Rd. No. 91 to D. S. B. HAGARD, Winchester, about $5,000.

Ky., Hopkinsville—(Official)—Christian County let contract resurfacing Sect. 7 of Greenville Rd. to MONTGOMERY, PERKINS & CO., Hopkinsville, about $28,338. Noted Sept. 28.

Ky., Newport—City let contract sidewalks to ADER CONSTRUCTION CO., 6th and Saratoga St.

Ohio, Akron—Summit County let contract improving Wooster Rd. to J. M. DAVIDSON, $53,663. Noted Sept. 28.

Ohio, Bowling Green—City let contract paving portion Court St. to GRAY BROS., Bowling Green. Noted Sept. 21.

Ohio, Canton—City let contract paving, curbing and sewering 4th St., S. E., to TURNBULL BROS., Canton, about $76,579.

Ohio, Canton—Starke County let contract improving Pigeon Run Rd. to P. DIEFFENBACHER, Massillon, about $21,266.

Ohio, Cincinnati—Bd. Control let contract paving portion Cora Ave. to HENKEL & SULLIVAN, Mercantile Library Bldg., $13,427. Noted Sept. 28.

Ohio, Columbus—City let contract paving Burt St. alley to G. GEIGLE & SON, 52 East Fulton St., $4,802.

Ohio, Columbus—Franklin County let contract paving Fairview Ave. Rd. to D. E. SULLIVAN & SON, Ohio Bldg. Noted Sept. 14.

Ohio, Columbus—Franklin County let contract improving Clouse Rd., Plain Township, to T. J. McKIM, 750 East 2nd St., about $49,377.

Ohio, Columbus—City let contract paving subways under tracks of Pennsylvania and Cleveland, Cincinnati, Chicago & St. Louis Ry. in East 11th and 17th Ave. to G. GEIGLE & SON, about $32,000.

Ohio, Columbus—Franklin County let contract Indianola Ave. Extension to F. J. BENTZ, 2008 Sullivan Ave., about $16,289. Noted Sept. 14.

Ohio, Dayton—City let contract paving portion Bacon St. to GEIGER & FINKE. F. Eichelberger, City Engr. Noted July 6.

Ohio, Elyria—Lorain County received low bid Cleveland-Sandusky Highway from HART & KEMP, Elyria, about $158,155.

Ohio, Findlay—City let contract improving portion South Cory St. to JOHNSON CONSTRUCTION CO., 115 South Dearborn St., Chicago. Noted Aug. 31.

Ohio, Fostoria—City let contract paving and curbing Union St. to MODERN CONSTRUCTION CO., Fremont.

Ohio, Lakewood—City let contract to CLEVELAND-TRINIDAD PAVING CO., 420 Lakeside Ave., Cleveland, Rosalie Ave., $4,983, Abbieshire Ave., $4,000.

Ohio, London—City let contract street improvements to E. DOOLEY.

Streets and Roads (Continued)

Ohio, McArthur—Vinton County let contract improving Sect. G of McArthur-Athens Rd., Madison Township, to W. J. KEENER and L. S. KING, McArthur, $17,800.

Ohio, Mt. Gilead—City let contract improving South Mulberry St. and Ohio Ave. to S. T. KNIGHT, 487 Oak St., about $13,257 and $5,981 respectively.

Ohio, Newton Falls—County let contract 2-mi. macadam road between Lordstown and Newton Falls to McDERMOTT & HANNON, Niles, about $17,223.

Ohio, Reading—City let contract improving Morrow Ave. to J. RYAN & CO., Lockland.

Ohio, Rudolph—Town let contract road work in Liberty Township to A. P. GUTHRIE, Cygnet, $15,450.

Ohio, Sandusky—Erie County let contract grading and paving Shadden Rd., Oxford Township, to HORN & MILLER, Bellevue; Columbus and Sandusky Rd., Croton Township, BUCKEYE ENGINEERING CO., Norwalk; J. E. Wetjen Rd. extending from Washington-Madison Township line, east on east and west center line, Sect. 7 to east quarter part of Sect. 7, H. HUGHES, Gibsonburg.

Ohio, Sebring—(Official)—Contract let to G. B. HERRING & SON, Mansfield, $53,465, for curbing and paving portion Oregon and Indiana Ave. and 18th St.

Ohio, Waterville—City let contract paving Main and 2nd St. to G. ZELLERS, about $4,461.

Ind., Gary—City let contract paving Alley No. 1 to J. SENSIBAR, about $6,921.

Ind., Goshen—Elkhart County let contract Sterling Ave. Rd., Concord Township, to NORTHERN CONSTRUCTION CO., Elkhart, about $12,000. Noted Sept. 14.

Ind., Indianapolis—(Official)—Marion County let contract road work Franklin Township to BOONE CONSTRUCTION CO., Lebanon, about $22,875. Noted Sept. 28.

Ind., Indianapolis—Union Asphalt Construction Co., American Central Life Bldg., only bidder for paving portions Denny St. and Eastern Ave.; Marion County Construction Co., 1600 South West St., for paving Belmont Ave.

Ind., Jeffersonville—Clark County let contract road in Jeffersonville Township to J. GRANINGER, R. F. D., Clarksville. Noted Sept. 14.

Ind., Kendallville—City let contract paving portion Garden St. to C. D. COIL.

Ind., Lafayette—Tippecanoe County let contracts roads in Washington, Perry and Shelby Townships to B. OILAR, Battle Ground, $7,400; OILAR & PARLOW, Lafayette, $4,548; A. PETERSON, West Point, $9,238. Noted Sept. 28.

Ind., Michigan City—City let contract paving Union St. to HOBSON-DAVIS CONSTRUCTION CO., Gary.

Ind., Michigan City—City let contract resurfacing 7th St. to WESTERN CONSTRUCTION CO., Lafayette; 11th St., HODSON-DAVID CONSTRUCTION CO., Gary.

Ind., Rensselaer—Jasper County received no bids for roads in Marion or Jordan Township. Noted Sept. 28.

Ind., Rockville—Parke County let contract A. R. Spencer Rd., Green Township, to W. G. CARTY, about $7,175.

Mich., Grand Rapids—Decker & Jean, 85 Monroe St., let contract improving Cambridge Blvd., East Grand Rapids, to VANDEWEEL BROS., Association of Commerce Bldg., about $10,000.

Ill., Chicago—Cook County let contract road work in Schaumberg Township to ECLIPSE CONSTRUCTION CO., Winnetka, about $63,857.

Ill., Dixon—Lee County let contract road work to ATKINSON & FISHEL. Noted Mar. 30.

Ill., Freeport—City let contract paving various streets to GUND-GRAHAM CO., 56 Taylor Ave., $11,747. Noted July 20.

Ill., Oak Park—City let contract paving portion Fillmore St. to H. G. GOELITZ CO., 810 North Blvd., Chicago. Noted Sept. 14.

Ill., Springfield—City let contract improving South 9th St. to J. E. BRETZ.

Ill., Springfield—(Official)—State Highway Dept. let contracts road work as follows: Henderson County, Sect. "A", E. A. LORD CONSTRUCTION CO., Monmouth, $4,295; Scott County, Sects. "D and E", CAMERON-JOYCE & CO., Keokuk, Iowa, $12,362.

Ill., Springfield—(Official)—State Highway Dept. let contracts road work as follows: Lawrence County, Sect. "C", S. DEES & CO., Robinson, $9,987; Sangamon County Sect. "H", H. NELCH & SON, Springfield, $13,238, Sect. "J", J. E. BRETZ, Springfield, $13,162; Madison County Sect. "D", G. R. HYTEN, Edwardsville, $8,100; Montgomery County, Sect. "C and E", CAMERON-JOYCE & CO., Keokuk, Iowa, about $14,000.

Ill., Waukegan—Waukegan Improvement Co. submitted lowest bid, $15,156, for paving 10th St.

Wis., Antigo—Bd. Pub. Wks. let contract cement sidewalks to A. JOHNSON.

Iowa, Mason City—(Official)—City let contract improving 1st St., N., and Crescent Dr. to BRYANT ASPHALT PAVING CO., Waterloo.

Kan., Garnett—(Official)—City let contract paving various streets to A. L. COOK, Ottawa, asphalt, $12,733; brick, $14,088. Noted Mar. 9.

Kan., Iowa—City let contract paving 5 blocks to KAW PAVING CO., Topeka.

Neb., Omaha—Douglas County let contracts road work to WILLIAMS & SON, Omaha, and R. CONDON, 3923 South 26th St. Noted May 4.

Neb., Omaha—City let contract grading portion 35th St. to R. CONDON, 3923 South 26th St.

S. D., Huron—City let contracts paving to C. H. ATKINSON, Watertown, about $25,071, and F. JEHN CONSTRUCTION CO., Huron, $5,144. Noted July 27.

Mo., Clinton—City let contract paving South Main St. to W. F. HALL, 50c. cu.yd., grading, 58c. ft. curbing and guttering.

Mo., Kansas City—City let contract paving 63rd St. to W. C. MULLIUR, Sharp Bldg., 11th and Walnut St., Kansas City, about $1.18 per sq.yd.

Mo., St. Joseph—(Official)—City let contract paving portion 10th St. to METROPOLITAN PAVING CO., St. Joseph, $23,056. Noted Oct. 5.

Tex., Dallas—City let contracts paving as follows: East Side Ave., VIBROLITHIC CONSTRUCTION CO., $15,297; Victor St., STANDARD ENGINEERING CO., $13,755; Main St., TEXAS BITULITHIC CO., $18,267.

Okla., Tulsa—Tulsa County let contract 3 mi. paving to ATLAS CONSTRUCTION CO., Bank of Commerce Bldg., $20,705.

Okla., Tulsa—City let contract paving 21st St. to PARKER-WASHINGTON CO., about $15,991.

Colo., Derby—City let contract 8 mi. Omaha-Lincoln-Denver automobile road to OSNER CONSTRUCTION CO., Denver.

Ariz., Tucson—Abrwray Construction Co., Prescott, at $64,222, low bidder Sect. A, Nogales Rd.

Wash., Seattle—King County let contract 3 mi. road between Wayne and Juanita Bridge to BARBO BROS., Bellingham, about $15,500.

Ore., Portland—City received low bid paving, concrete steps and viaduct on College St. from Oregon Independent Paving Co., 294 East Salmon St., about $20,607.

Calif., Bakersfield—Kern County let contract for Rio Bravo-Wasco Highway to G. S. BENSON & SONS, Stimson Bldg., Los Angeles, about $25,288. Noted Aug. 31.

Calif., Fairfield—Solona County let contract highway work to S. A. ABRAMS, about $14,873.

Calif., Los Angeles—Southern California Contracting Co., Title Insurance Bldg., at $52,112, low bidder scenic highway in Beverly Hills Dist., Rd. Impvt. Dist. No. 126. Noted Aug. 31.

Calif., Los Angeles—City received low bid paving portion Boyle Ave. from Los Angeles Paving Co. Noted Aug. 24.

Calif., Los Angeles—Los Angeles County let contract Harbor Truck Blvd. to WHITE & GASKILL, Long Beach, about $48,237. Noted Oct. 12.

Calif., Los Angeles—City let contract improving portion Kenmore Ave. to G. R. CURTIS, about $7,797.

Calif., Red Bluff—(Official)—Tehama County let contract improving portion Paynes Creek Rd. to J. H. WILTSEY, Red Bluff, $1 cu.yd. Noted Sept. 28.

Calif., Salinas—County let contract to B. H. BLAIR for Lucas-Peachtree highway.

Calif., Salinas—City let contract paving Gell St. to D. McCORMICK, $4,988.

Calif., Santa Cruz—Santa Cruz County to build 6 mi. highway by day labor. About $10,000.

Calif., Stockton—Council let contract paving to PAUL & CALDWELL, about $7,621.

Calif., Sunnyvale—Contract let to H. M. DAN for street improvements as follows: Macadam pavement, 6½c. sq.ft.; excavation, 30c. cu.yd.; combined concrete curb and gutter, 48c. lin.ft.

Ont., Ottawa—City let contract paving Parkdale Ave. to T. G. BRIGHAM, Ottawa.

INDUSTRIAL WORKS

Proposed Work

Mass., Boston—R. Wyner, 18 Tremont St., making plans for 1-story, 101x360-ft. auto service building, Brighton Ave. and Malvern and Gardner St., Allston. About $170,000. J. E. McLaughlin, 88 Tremont St., Arch.

Mass., Gardner—Simplex Time Recorder Co. plans to enlarge plant, about $30,000.

Mass., Springfield—P. Bess granted permit for garage at Union and Hancock St., about $30,000. Noted Oct. 5.

R. I., Riverpoint—Pawtuxet Valley Textile Co. plans addition.

R. I., Woonsocket—Fairmount Foundry Co. purchased site for foundry at 2d Ave. and Woonsocket-Pascoag R.R. Matthew Sweeney, interested.

Conn., Stamford—Baer Bros. plans addition, about $10,000.

Conn., Waterbury—Waterbury Brass and Bronze Co. plans addition to plant on East Main St.

N. Y., Bath—W. W. Jennings and R. Kizer, Towanda, Penn., plan 1-story, 160x180-ft. silk mill.

N. Y., Buffalo—Atterbury Motor Car Co., Hertel Ave., plans to rebuild plant destroyed by fire, about $20,000.

N. Y., Cobleskill—(Official)—Schoharie State School of Agriculture receiving bids Oct. 27 for dairy building. D. D. Frisbie, Pres. Bd. Trustees (Sec adv.)

N. Y., Le Roy—G. P. Jones, Emporium, Penn. plans plant at Le Roy for manufacture of chemicals.

N. Y., Malone—E. E. Hogle plans garage and automobile salesroom on East Main St. About $65,000.

N. Y., New York—(Bronx)—Emma C. Dressel, 2240 Grand Boulevard and Concourse, made plans for 2-story brick garage at Park Ave. and 173rd St. About $30,000. J. C. W. Ruhl, 3207 Hull Ave., Arch.

N. Y., New York—(Brooklyn)—J. C. Cavanaugh Corporation, 151 Roebling St., making plans for rebuilding factory. E. Meisinger, 394 Graham Ave., Arch.

N. Y., New York—(Manhattan)—Daniel H Jackson Co., 35 Nassau St., making plans for addition to warehouse at 140 6th Ave. M. Zipkes, 405 Lexington Ave., Arch. About $15,000.

N. Y., New York—(Manhattan)—Pine Hill Crystal Water Co., 10th Ave. and 36th St., receiving bids for 3-story, 50x94-ft. garage, 11th Ave. and 38th St. About $40,000. G. Pelham, 30 East 42nd St., Arch.

N. Y., New York—(Borough of Queens)—Globe Thread Co. plans 4-story, 150x200-ft. factory at Long Island City.

N. Y., New York—(Borough of Queens)—Rainier Motor Corporation made plans for 2 buildings, one 50x100-ft. and other 200x200-ft on edge of Flushing-College Point meadows. About $53,000. P. M. Coco, Flushing, Arch. J. T Rainier, 1649 Broadway, Manhattan, Arch.

N. Y., Rochester—Gleason Tool Works granted permit for 1-story rein.-con. addition, University Ave., about $11,000.

N. J., Mays Landing—Bethlehem Steel Corporation plans proving ground near Mays Landing. C. M. Schwab, Pres.

N. J., Newark—Rubber and Celluloid Harness Trimming Co., Hamburg Pl. Rd., granted permit for 2-story addition to plant, about $50,000.

N. J., Ridgefield Park—Bergen Paper Co. plans addition to plant on Hackensack River. About $20,000.

Penn., Coudersport—Hart-Bred Silk Co. plans new mill on North Main St.

Penn., Essington—Westinghouse Machine Co., East Pittsburgh, plans plant at Essington.

Penn., Johnstown—Buser Silk Mill plans addition.

Penn., Philadelphia—Roger & Crawford, Ontario and Janney St., plans addition to yarn mill.

Penn., Williamsport—Williamsport Candy Manufacturing Co. plans to rebuild plant destroyed by fire.

Md., Baltimore—W. F. Terry, 3900 Kate Ave., plans 4-story storage warehouse.

Md., Baltimore—Wilson & Co., 5 West Camden St., making plans for branch packing plant. C. T. Bennett, Arch.

W. Va., Kenova—Basic Products Co. plans to improve and enlarge plant, about $250,000.

N. C., Asheville—Hans Rees Sons plans to rebuild tannery recently destroyed by fire with loss of $200,000.

N. C., Shelby—Olive Hosiery Co., recently incorporated with $100,000 capital stock, plans mill at South Shelby.

Ga., Macon—Bibb Manufacturing Co. plans 56x200-ft. warehouse. About $15,000.

Fla., Jacksonville—Glee Cola Co., Birmingham, Ala., plans 3-story plant at Jacksonville. Address C. L. Fulton, Birmingham.

Ala., Huntsville—Planters' Warehouse Co., recently incorporated, plans warehouse on West Clinton St., about $30,000. A. W. White, Secy and Gen. Mgr.

Ala., Talladega—Talladega Pipe and Foundry Co., recently organized, plans plant. R. W. Henderson, Pres.

La., New Iberia—Burguires Co. plans sugar refinery. About $50,000.

La., New Orleans—Lacoste Bros., Inc., plans storage building.

La., New Orleans—Morris & Co., packer, plans to enlarge its plant, about $100,000.

La., New Orleans—National Hosiery Co. plans addition.

Ky., Louisville—Louisville Provision Co. granted permit for 4-story, 48x200-ft. addition, about $40,000. Noted Aug. 24.

Ohio, Akron—Firestone Tire and Rubber Co. granted permit for 2 additions, about $105,000. Noted June 15.

Ohio, Alliance—Alliance Tire Co. increased capital stock by $500,000 and plans 3-story addition.

Ohio, Ashtabula—New York Central R.R. Lines West of Buffalo plans new steel shops at Ashtabula. G. C. Cleveland, St. Clair Ave. and West 3rd St., Cleveland, Ch. Engr.

Ohio, Bucyrus—New York Blower Co. plans 80x200-ft. factory with 2 wings. J. W. Mathis, owner.

Ohio, Camp Washington—(Cincinnati post office)—Triumph Manufacturing Co. plans warehouse, south side Arlington Ave.

Industrial Works (Continued)

Ohio, Cincinnati—Barlow Hudson Motor Car Co., Canal and Race St., plans 2-story building. J. G. Steinkamp & Bro., Arch.

Ohio, Cincinnati—Cincinnati Laundry Co. making plans for 3-story, 121x190-ft. factory, 8th and 9th St. and McLain Ave. Stegner & Hughes, Arch. L. J. Oehler, Mgr.

Ohio, Cincinnati—Jeffrey Motor Car Co., Race St., plans 1-story building. J. Schwartz, Arch.

Ohio, Cleveland—Armour & Co. plans storage house and distributing station, west side Ontario St., about $100,000.

Ohio, Cleveland—Hudson-Stuyvesant Motor Co., 2010 Euclid Ave., plans 5-story addition, about $90,000.

Ohio, Dover—Dover Manufacturing Co. plans to rebuild plant destroyed by fire with loss of $150,000.

Ohio, Findlay—Hoytsville Tile Manufacturing plant, recently destroyed by fire, will be rebuilt.

Ohio, Lebanon—Merchants Specialty Manufacturing Co., recently incorporated, plans plant. C. W. Ivins and G. O. March, Lebanon, interested.

Ohio, Lexington—W. Cureton & Son plan to rebuild foundry destroyed by fire.

Ohio, Marion—Interstate Iron and Steel Co. plans to enlarge plant.

Ohio, Massillon—Massillon Foundry and Machine Co., West St., plans new plant.

Ohio, Niles—Standard Oil Co. plans tank and warehouse, Holford St.

Ohio, Portsmouth—Portsmouth-Solvay Coke Co. will be incorporated to build coke plant at Portsmouth. About $200 000. Company will be subsidiary of Semet-Solvay Co. of Columbus.

Ohio, Sandusky—Rosenbaum Bros. plans to enlarge elevator, about $250,000.

Ohio, Springfield—Springfield Coal and Ice Co. plans addition to plant, about $80,000. S. P. Harris, Mgr.

Ohio, Toledo—Toledo Alloy Steel Co., recently incorporated with $75,000 capital stock, plans plant. E. R. Hiett, Secy. and Mgr. Peoples Savings Asso., interested.

Ohio, Urbana—Eagle Glass Co., of Chicago, plans to remove plant to Urbana and build factory. About $300,000.

Ohio, Westerville—Buckeye Printing Co. plans to enlarge plant.

Ohio, Youngstown—Youngstown Towel and Supply Co. plans 2-story laundry on North Ave. About $25,000.

Mich., Big Rapids—Four Drive Tractor Co. increased Capital stock from $50,000 to $200,000 and plans to enlarge plant.

Mich., Detroit—Detroit Bearing and Casting Co., 75-85 West Baltimore Ave., plans addition.

Mich., Detroit—D. M. Ferry & Co. plans 9-story, 83x112x138-ft. rein.-con. warehouse. About $160,000.

Mich., Detroit—Ford Motor Co. plans 16-story building, Broadway and 54th St. About $700,000. A Kahn and E. Wilby, Detroit, Arch.

Mich., Flint—Buick Motor Co. plans addition to plant on Hamilton Ave., about $12,500.

Mich., Kalamazoo—Kalamazoo Malleable Iron Co. making plans for 1-story, 250x300-ft. factory. About $125,000. E. J. Albertson, East Main St., Arch. Noted Sept. 28.

Mich., Monroe—Monroe Binder Board Co. making plans for new factory, about $400,000.

Mich., Walkerville—Motor Products Co. plans plant.

Mich., Watervliet—Watervliet Paper Co. making plans for enlarging plant, about $200,000. E. J. Stevens, Kalamazoo, Engr.

Mich., Wayne—Harroun Motors Corporation, recently incorporated in Delaware with $10,000,000 capital stock, purchased plant of Prouty & Glass Carriage Co. and will build large additions. J. G. Monihan, Pres.

Ill., Chicago—H. H. Hettler Lumber Co. purchased site on Elston Ave. and plans plant. About $300 000 or $500,000.

Ill., Decatur—Wabash Railway Co. plans steel shop building. A. O. Cunningham, Railway Exchange Bldg., St. Louis, Ch. Engr.

Ill., Rockford—Rockford Paper Box Board Co. plans addition. About $150,000.

Ill., Rockford—Union Products Co. plans factory to manufacture auto piston rings, about $200,000. A. A. Martin, Pres.

Ill., Rock Island—Illinois Oil Co. plans 4-story factory at Rock Island, about $100,000.

Wis., Baraboo—Johnson Fuel and Warehouse Co. plans grain elevator and cold-storage plant.

Wis., Menomonie—Joseph Heidenmair plans brewery. About $20,000.

Wis., Milwaukee—Northwestern Lithographing Co. plans addition, 15th and Clybourn St., about $20,000.

Wis., Racine—Johnson-Field Manufacturing Co., 17th and Holburn St., plans to rebuild plant destroyed by fire.

Iowa, Clinton—Lagomarcino-Grupe Co. plans plant on 5th Ave.

Iowa, Council Bluffs—Droge Elevator Co. made plans for warehouse, 9th Ave. and 12th St., about $50,000.

Minn., St. Paul—Pioneer Grain Co. granted permit for elevator, about $12,000.

Minn., St. Paul—Tri State Land Co. plans storage warehouse at Willus and Grove St., about $250 000.

Neb., Bayard—Great Western Sugar Co. plans factory.

Neb., Blue Springs—Black Bros. making plans for enlarging flour and grain mill, about $25,000.

Neb., Jansen—Jansen Equity Exchange plans to rebuild elevator destroyed by fire.

N. D., Jamestown—Midland Continental R.R. plans to spend $38,000 to rebuild shops recently destroyed by fire. J. A. Wiley, Jamestown, Supt. and Ch. Engr.

Mo., Carthage—Kaut-Reith Shoe Co. plans to enlarge plant, about $17,500.

Mo., Harrisonville—Woodare Fancy Breeders and Dairy Co. will be incorporated with $250,000 capital stock and plans plant near Harrisonville. C. F. and J. M. Huffman, interested.

Mo., Kansas City—Maxwell Motor Sales Corporation to build 4-story brick and concrete assembling plant at St. John and Beacon Ave. About $300,000. E. W. Shields, Pres.

Mo., St. Louis—Booth Cold-Storage Co. granted permit for 8-story addition, Main and Ashley St., about $130,000. Noted Oct. 5.

Ark., Ft. Smith—Ft. Smith Compress Co. plans 5 warehouses. About $50,000.

Ark., Nashville—W. T. Hood and D. B. McMurran plan factory to manufacture peanut butter.

Ark., Pine Bluff—Chess-Waymond Cooperage Co., Louisville, Ky., plans plant at Pine Bluff.

Idaho, Rupert—Eccles Sugar Co., recently incorporated with $2,000,000 capital stock, plans factory near Rupert.

Ore., Portland—Log Cabin Baking Co., 265 Ivy St., making plans for bakery, about $25,000. H. F. Rittman and J. A. Wright, interested. F. A. Legg, Salem, Arch.

Calif., Fresno—Fresno Agricultural Works, M St., Tulare and Kern St., making plans for 1-story brick warehouse, about $25,000. E. Mathewson, Cory Bldg., Arch.

Calif., Los Angeles—Dodge Bros. plan to spend about $344,000 to enlarge plant.

Calif., Los Angeles—Los Angeles Brewing Co., 1920 North Main St., making plans for alterations, about $30,000. Mayberry & Parker, Pacific Electric Bldg., Arch.

Calif., Madera—Associated Oil Co. granted permit for oil station, including warehouse, pump house, garage, etc. About $15,000.

Calif., San Diego—T. C. Bond interested in shipbuilding plant and dry dock at San Diego. About $1,250,000.

Que., Montreal—Lymburner, Ltd., plans addition. About $12,000.

Que., Sherbrooke—Canadian Ingersoll-Rand Co. plans addition to machine shop.

Ont., Acton—Reliance Shoe Co., 350 Sorauren Ave., Toronto, plans factory at Acton. About $10,000.

Ont., Amherstburg—Brunner Mond of Canada, Ltd., recently organized with $3,000,000 capital as Canadian subsidiary of Solvay Process Co. of Syracuse, N. Y., plans plant in Amherstburg.

Ont., Espanola—Spanish River Pulp and Paper Co. plans sulphite plant at Espanola.

Ont., Welland—Electro Steel and Metals, Ltd., plans addition to foundry. About $10,000.

Sask., Moose Jaw—Saskatchewan Bridge and Iron Works plans plant at Moose Jaw. G. Harrison, Mgr.

Sask., Saskatoon—Saskatoon Bread Co. plans bakery at 1st Ave. and 22nd St. About $15 000.

B. C., Vancouver—Alberta Lumber Co. granted permit for mill, 6th and Willow St. About $100,000. Noted July 27.

Bids In and Contracts Awarded

N. H., Franklin—Franklin Needle Co. let contract machine shop to J. W. DRESSER, Franklin, about $15,000.

N. H., Keene—Keene Artistic Narrow Web Co. let contract factory to M. MARTIN, Keene.

N. H., Manchester—G. A. Leighton, 136 Concord St., let contract foundry to J. H. MANDELL CO., 238 Granite St., about $12,000.

Mass., Athol—Union Twist Drill Co. let contract 2 additions to E. J. CROSS CO., 82 Foster St., Worcester.

Mass., Bostan—J. J. Dorgan, 531 3rd St., South Boston, let contract 2-story garage to LEAHY RATTIGAN CONSTRUCTION CO., 7 Water St., Boston, about $43,000.

Mass., Chelsea—Southwestern Cone Co., 191 Williams St., let contract 3-story factory to J. SHOOLMAN, 131 Laurel St., Malden, about $20,000. Noted Aug. 10.

Mass., Everett—Moore & Co., Paris St., let contract addition to factory to W. M. BAILEY CO., 88 Broad St., Boston, about $67,000.

Mass., Lowell—Massachusetts Cotton Co. let contract mill to D. E. WALKER, Lowell.

Mass., New Bedford—Acushnet Mill Corporation let contract 4-story, 50x176-ft. addition to Mill No. 1 to McNALLY BUILDING CO., Gardner.

Mass., Somerville—Industrial School for Boys, Tufts St., to build 1-story machine shop by day labor. About $10,000. W. T. Littlefield, 9 Hamilton Pl., Boston, Arch. Noted Aug. 17.

Conn., Waterbury—Waterbury Manufacturing Co. let contract 6-story, 104x200-ft. addition to TORRINGTON BUILDING CO.

N. J., Passaic—(Official)—Manhattan Rubber Co. let contract 5-story, 100x300-ft. mill building and 4-story warehouse to STONE & WEBSTER ENGINEERING CORPORATION, 120 Broadway, New York.

Penn., Connellsville—Pennsylvania R.R. let contract freight station and office building to D. T. RIFFLE, about $40,000. Noted Apr. 13.

Penn., Philadelphia—W. H. Purdy, Swanson and Christian St., let contract 2-story, 78x100-ft. garage, Media Ave. and 59th St., to J. D. FISHER, 5718 Market St., Philadelphia.

N. C., Marion—Clinchfield Manufacturing Co. let contract Mill No. 2 to GALLIVAN BUILDING CO., Greenville, S. C. About $450,000. Noted Sept. 14.

S. C., Gaffney—R. E. Johnson let contract warehouse on Frederick St. to POOLE & GRIFFITH CO.

Fla., Jacksonville—City let contract warehouse, municipal docks and terminals, St. Johns River between 14th and 21st St., to FLORIDA METAL PRODUCTS CO., Jacksonville, about $65,000.

Tenn., Chattanooga—Signal Knitting Mills let contract factory to A. F. HAHN, Chattanooga, about $40,000. Noted June 15.

Ky., Lexington—Lexington Bonded Storage and Warehouse Co. let contract warehouse to COMBS LUMBER CO., Lexington, about $40,000. Noted Aug. 17.

Ky., Louisville—Standard Sanitary Manufacturing Co. let contract 1-story shop to ROMMEL BROS., about $25,000.

Ohio, Canton—Home Brewing Co., 2nd St., N. E., let contract 2-story addition to BOLLINGER BROS., about $10,000.

Ohio, Cincinnati—Coco Cola Bottling Co. let contract plant on Pioneer St. to FERRO-CONCRETE CONSTRUCTION CO., Richmond and Harriet St., about $10,000. Noted Apr. 27.

Ohio, Cincinnati—Fischer Special Manufacturing Co., 2076 Reading Rd., let contract addition to plant to H. C. HAZEN CONTRACTING CO., 2070 Reading Rd., about $12,000. Noted Sept. 21.

Ohio, Toledo—Toledo Shipbuilding Co. let contract addition to plant on Front St. to A. BENTLEY & SONS, about $14,000.

Ohio, Wooster—Woodard Machine Co. let contract additions to LONG & BOGNER. Noted Sept. 21.

Ind., Ft. Wayne—Furnas Ice Cream Co. let contract 2-story factory, Clay and Columbia St., to B. BORKENSTEIN, about $30,000. Noted Aug. 3.

Mich., Saginaw—Demers Auto Exchange let contract 1-story building to SPENCE BROS.

Ill., Chicago—Imperial Brass Manufacturing Co., Harrison St. and Racine Ave., let contract 6-story factory to J. W. SNYDER CO., about $80,000.

Ill., Chicago—Metal Specialties Co., 3200 Carroll Ave., let contract 4-story factory to A. LUND CONSTRUCTION CO., 19 South La Salle St., about $100,000.

Ill., Chicago—White Laundry Co. let contract 1-story laundry to J. B. COULEUR, 2541 Logan Blvd., about $55,000. Noted July 20.

Wis., Mauston—R. R. Kastner let contract 2-story, 80x200-ft. warehouse to B. F. JONES. Noted Sept. 28.

Minn., Dover—Dover Creamery Association let contract plant to J. J. LEE, Kellogg, about $10,000. Noted Oct. 12.

Minn., Winona—Pepin Pickle Co. received low bid factory from P. Schwab, about $18,000. E. S. La France, Mgr. Noted Sept. 7.

N. D., Minot—North American Creamery Co. let contract building at Central Ave. and Soo line to D. A. DINNIE, about $10,997.

Mo., St. Louis—Polar Wave Ice and Fuel Co. to build ice-storage plant by day labor, about $20,000. Noted Sept. 14.

Ark., Little Rock—J. F. Weinman Milling Co., 529 Markham St., let contract mill, grain elevator and warehouse to M. BUSH & BROS., about $40,000.

Tex., San Antonio—Mission Ice and Fuel Co. let contract plant to AIKEN & TEMPLIN, San Antonio, about $10,400. Noted Sept. 28.

Ore., Portland—United States Bakery Co. let contract addition, East 11th and Flanders St., to W. VAETZ, about $12,000. Noted Jan. 27.

Calif., Los Angeles—J. M. Danziger let contract 1- and 2-story dairy to C. G. GOLDTHWAITE, Marsh-Strong Bldg., about $20,500.

N. B., Moncton—Reed Co., Ltd., let contract warehouse to McDONALD & McNEILL, Moncton. Noted Aug. 24.

Ont., Arnprior—David Craig let contract grist mill to THOMAS MORAN & SON. About $18,000. Noted July 27.

Ont., Fergus—Beattie Bros. let contract addition to J. W. OAKES, Guelph. About $50,000. Noted Aug. 3.

Ont., Ft. William—Ogilvie Flour Mills Co., Ltd., let contract addition to BARNETT & McQUEEN CO., LTD., Cuthbertson Blk. About $20,000. Noted Mar. 16.

Industrial Works (Continued)

Ont., Walkerville—Walker Sons let contract factory to AUSTIN BROS., 120 Devonshire St., Walkerville. About $20,000.

Man., Winnipeg—J. H. Ashdown Hardware Co., Ltd., let contract warehouse to MALCOLM BROS., 1110 McArthur Bldg., Winnipeg. About $28,000.

Alta., Calgary—Advance Rumley Co., Ltd., Beveridge Bldg., let contract warehouse to THOMAS, JAMIESON & McKENZIE, Travis Bldg., about $12,500. Noted July 20.

FEDERAL GOVERNMENT WORK

Proposed Work

Mass., Chelsea—Seawall—Bureau of Yards and Docks, Navy Dept., Washington, receiving bids Nov. 6. F. R. Harris, Ch. Noted Oct. 12.

Va., Franklin—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Nov. 22.

Va., Norfolk—Dredging—U. S. Engineer Office, Norfolk, receiving bids Nov. 14, from Norfolk to Beaufort Inlet, N. C. (See adv.)

Va., Norfolk—Removal of Barge—U. S. Engineer Office, Norfolk, receiving bids Oct. 28, Barge Ivie, sunk in Hampton Roads. (See adv.)

Tex., Sabine Pass—Jetty Work—U. S. Engineer Office, Dallas, receiving bids Nov. 14 for jetty work at Sabine Pass. (See adv.)

Tex., Velasco—Coast Guard Station—U. S. Coast Guard Office, Washington, D. C., receiving bids Nov. 15 for coast-guard station at Velasco. E. P. Bertholf, Capt.-Commandant. (See adv.)

Tex., Yoakum—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, receiving bids Nov. 20.

Wash., Seattle—Crane and Switch Points—C. E. Dole, Pur. Agt., Alaska Engineering Comn., receiving bids Oct. 25 for 40-ton shop crane and 50 pairs switch points.

Bids In and Contracts Awarded

Mass., Gloucester—Retaining Basin—G. T. Rendle Co., Boston, at $5,896, low bidder, Fisheries Station. Noted Oct. 5.

D. C., Washington—Paving—Dist. Comrs. let contract to CRANFORD PAVING CO., Washington.

W. Va., Huntington—Post Office—Contract let to J. DEVAILT, Canton, about $155,000. Noted Oct. 12.

Ky., Louisville—Iron Castings—J. & J. B. Millholland Co., 714 5th Ave., Pittsburgh, at $12,384, only bidder, Lock No. 41, Ohio River. Noted Sept. 14.

Mont., St. Ignatius—Canal Work—U. S. Rec. Ser. let contract canals and structures on Flathead Project to PEARSON CONSTRUCTION CO., Seattle, about $38,256. Noted Oct. 5.

Wyo., Ft. Laramie—Canal Work—Low bidders were: MacArthur Bros. Co., 120 Broadway, New York, $32,259; Winston Bros. Co., Minneapolis, $32,147; Hayden Bros., Great Falls, Mont., $41,080. Noted Aug. 31.

Wyo., Ft. Laramie—Reclamation—U. S. Rec. Ser. let contract 2 tunnels and concrete lining of canal approaches to tunnel of Ft. Laramie Canal, North Platte Irrigation Project, to WINSTON BROS. CO., Minneapolis about $255,726. Noted June 8.

China, Pekin—Ice Plant—Bureau of Yards and Docks, Navy Dept., Washington, let contract to KROESCHEL BROS. ICE MACHINE CO., 472 West Erie St., Chicago, item 1, $4,536, item 2, $1,065, item 4, $8.50 per day. Noted Sept. 14.

CANALS, DITCHES AND IRRIGATION

Proposed Work

S. C., Anderson—Drainage—Anderson County Comrs. organized Six and Twenty Creek Drainage Dist. to drain 1,159 acres. W. H. Sherer, Engr.

Miss., Yazoo City—Drainage—Comrs. Willis Creek Drainage Dist. making surveys for canal. M. H. Brewer, Silver City, Engr.

La., New Roads—Drainage—Portage Drainage Comrs. will issue $25,000 bonds for improving 86,380 acres of land.

Tenn., Huntingdon—Drainage—Carroll County Drainage Dist. No. 2, Big Sandy River, made surveys. A. Oldfield, Huntingdon, Engr.

Tenn., Huntingdon—Drainage—Carroll County Drainage Dist. No. 3 making surveys, Rutherford Fork, Obion River. A. A. Oldfield, Huntingdon, Engr.

Ind., Winamac—(Official)—Ditch—Pulaski County receiving bids Oct. 28 for D. F. Harpster et al. Ditch. C. E. Paul, Winamac, Const. Comr.

Minn., Bemidji—Ditch—Beltrami County rejected bids for Judicial Ditch No. 25. New bids Oct. 27. J. L. George, Bemidji, County Audr. Noted June 1.

Minn., Breckenridge—Ditch—Wilkins County receiving bids Oct. 23 for Ditch No. 26. About $6,311. P. E. Truax, Breckenridge, County Audr.

Bids In and Contracts Awarded

Mass., Lynn—Dredging—Waterways and Pub. Lands Comn. let contract, Saugus River Channel to GILBERT H. HARRIS, 88 Broad St., Boston, 49c. cu.yd. Noted Oct. 5.

N. Y., Albany—(Official)—Barge Canal Work—Bids received Oct. 3 for Erie Canal, Contract No. 2-G, Erie Canal, Sect. 1, from A. A. Parker, Waterford, $10,779; Davis & Allen, Arpa Bldg., $11,160; Marx & Popp, Brooklyn, $11,275. Noted Sept. 14.

N. Y., Albany—(Official)—Barge Canal Work—W. W. Wotherspoon, State Supt. Pub. Wks. let contract No. 44-A, Erie Canal, Sect. 5, to SCOTT BROS., Rome, about $52,486. Noted Sept. 14.

N. Y., Albany—(Official)—Barge Canal Work—Bids received Oct. 10 for Erie Canal, Contract No. 59, from Larkin & Sangstor, 906 D. S. Morgan Bldg., Buffalo, $1,833,862; Maryland Dredging and Contracting Co., Fidelity Bldg., Baltimore, $1,664,316; MacArthur Bros., 120 Broadway, New York, $1,596,788. Noted Sept. 21.

N. Y., Albany—(Official)—Barge Canal Work—W. W. Wotherspoon, State Supt. Pub. Wks., let contract No. 81, Erie Canal, Sect. 5, junction lock at Rome to C. EARL & HEIMBACH, 20 Breckenridge St., Buffalo, $53,998; Contract No. 137, Erie Canal, Sect. 3, driving steel sheetpiling at Dam No. 10, Canajoharie and incidental work, J. A. LAPORTE, Mechanicsville, $22,650. Noted Sept. 21.

N. Y., Albany—(Official)—Barge Canal Work—Bids received Oct. 10 for Contract No. 91-A, Erie Canal, Sect. 1, new governor equipment for hydro-electric power plant near Crescent Dam from Lord Construction Co., 105 West 40th St., New York, $5,930, and Lupfer & Remick, Buffalo, $6,605. Noted Sept. 21.

N. Y., Albany—(Official)—Barge Canal Work—Lupfer & Remick, Buffalo, at $72,185, only bidder Contract No. 132, Sect. 5 and 6 Erie Canal. Noted Sept. 14.

N. Y., Albany—(Official)—Barge Canal Work—W. W. Wotherspoon, State Supt. Pub. Wks. let contract No. 133, Erie Canal, Sect. 4, to MORRISON & QUINN, INC., Rochester, $48,910. Noted Sept. 14.

N. Y., Albany—(Official)—Barge Canal Work—P. Keeler Building Co., Albany, at $66,705, only bidder Terminal Contract No. 201, warehouses at Albany and Whitehall. Noted Sept. 21.

N. Y., New York—(Brooklyn)—(Official)—Dredging—Borough Pres. received bids, Newton Creek Canal, from J. & J. McSpirit, 118 Wayne St., Jersey City, N. J., $7,020; W. E. Potter, $9,000. Noted Oct. 5.

Penn., Philadelphia—Dredging—City let contract, creeks in 40th ward, to CHEW BROS., Mantua, N. J., $11,418. Noted Oct. 12.

Ind., Bloomington—Drainage—Monroe County let contract 7¼ mi. open ditch in Golden Rule Drainage Dist. to R. J. PHELPS, Davenport, about $13,378; 3¾ mi. tile drain to C. FOSNAUGH, Bellefloweer, about $14,991.

Ind., Ft. Wayne—(Official)—Ditch—Allen County let contract Schlemmer Ditch to C. L. V. SHEETS, Monroeville, $5,000. Noted Oct. 5.

Ind., Kokomo—(Official)—Ditch—Howard County let contract E. J. Troyer et al. Ditch to B. F. CHAFFIN, Kokomo, $10,990. Noted Oct. 5.

Iowa, Sioux City—(Official)—Ditch—County let contract, Boyer Drainage Dist., to ELLIOTT CEMENT PRODUCTS CO., Turin. Noted Oct. 5.

Iowa, Sioux City—(Official)—Ditch—County let contract, Smithland Drainage Dist., to CANAL CONSTRUCTION CO., Chicago, Ill., 10½c. cu.yd. Noted Oct. 5.

Minn., Ada—Ditch—County let contract Ditch No. 41 to E. M. HEDAL, 12½c. cu.yd.

Minn., Benson—Ditch—Swift County rejected bids for Ditches Nos. 13 and 15. D. P. Carney, Benson, County Audr. Noted Aug. 10.

Minn., Benson—(Official)—Ditch—Swift County let contract Ditch No. 16 to W. L. SEDGLEY, Worthington, $14,653. Noted Sept. 28.

Minn., Crookston—Ditch—Polk County let contract Ditch No. 64 to C. W. ROOD CONSTRUCTION CO., Grand Rapids, Wis., $13,514.

Minn., Morris—(Official)—Ditch—Stevens County let contract Ditch No. 25 to MORRIS CONSTRUCTION CO., Morris, $11,353. Noted Oct. 5.

Minn., Morris—(Official)—Ditch—Stevens County let contract Ditch No. 27 to MINNESOTA CONSTRUCTION CO., Minneapolis, $5,225. Noted Oct. 5.

Neb., Humboldt—(Official)—(Drainage)—Drainage Dist. No. 4 let contract 7 mi. new channel for South Fork Nemaha River to F. M. CRANE CO., Omaha, $38,937. Noted Sept. 28.

Wash., Aberdeen—(Official)—Drainage—City let contract drainage ditches west of Division St. to CARL GYLLING, Aberdeen, about $12,120.

MISCELLANEOUS

Proposed Work

N. Y., Syracuse—(Official)—Race Track—New York State Fair Comn. receiving bids Oct. 23. A. E. Brown, Secy. Comn. (See adv.)

N. Y., Syracuse—(Official)—Removal of Grand Stand—New York State Fair Comn. receiving bids Oct. 23. A. E. Brown, Secy. Comn. (See adv.)

N. J., Longport—(Official)—Seawall—Borough Comrs. receiving bids Oct. 26, concrete 1 mi. long, about $275,000. A. Gilmore, Clk. Noted Oct. 12.

N. J., Newark—(Official)—Cast Iron Pipe—Bd. Street and Water Comrs. receiving bids Nov. 2. M. R. Sherrerd, Ch. Engr. (See adv.)

Penn., Philadelphia—(Official)—Subway—Dept. City Transit receiving bids Dec. 7 for section of Broad St. Subway, Contract 102. W. S. Twining, Dir. Noted Oct. 12. (See adv.)

Ohio, Cleveland—(Official)—Comfort Station—City rejected bids received Oct. 14, St. Clair Ave. and 105th St. New bids Nov. 2. F. H. Betz, City Arch. Noted Oct. 5.

Ohio, Cleveland—Elimination Grade Crossings—Council passed ordinance ordering New York Central R.R. to abolish grade crossing at East 49th and 72d St. G. C. Cleveland, St. Clair Ave. and 3d St., Cleveland, Ch. Engr. R. Hoffman, City Engr.

Ohio, Tiffin—(Official)—Creek Improvements—Seneca County receiving bids Nov. 4 for widening and deepening Rock Creek. J. I. Oberlander, County Surv. Noted Aug. 10.

Ind., Indianapolis—Levee Improvement—Bd. Pub. Wks. receiving bids Oct. 23 for flood levee for east bank of White River from Maryland St. to Washington Ave. About $95,000. B. J. T. Jeup, City Engr. Noted Apr. 6.

Mont., Lewiston—Aerial Tramway—Three Forks Portland Cement Co. plans from holdings on mountain to plant at Hanover. About $100,000.

Tex., Beaumont—Wharf—City retained O. A. Seward, Engr., to make plans for units to complete wharf system. Noted Oct. 5.

Calif., San Diego—Dry Dock—See item under "Industrial Works."

Alta., Edmonton—Market—City plans temporary market. About $7 500. C. E. K. Cox, City Clk.

Bids In and Contracts Awarded

Mass., Boston—(Official)—Park Improvements—City rejected bids received Oct. 9 for development of South Boston Strandway. E. F. Murphy, Comr. Pub. Wks. Noted Oct. 5.

Mass., Salem—Coal Pocket—Lehigh & Wilkes-Barre Coal Co. to build addition to coal pocket by company's forces. About $10,000. G. P. Carver, 56 State St., Boston, Engr.

N. Y., Niagara Falls—Subway Approaches—City let contract, New York Central R.R. and College Ave., to E. H. BROWN CO., Hempstead, $30,943.

N. J., Long Branch—Jetty—City let contract concrete jetty beach at West End to T. PROCTOR, North 5th Ave. Noted Sept. 21.

Md., Sparrows Point—Piers—Penn-Mary Steel Co. (Bethlehem Steel Co.) let contract 2 piers to RAYMOND CONCRETE PILE CO., 90 West St., New York.

Miss., Gulfport—Seawall—City let contract 4½ mi. seawall to W. J. GURLEY, Mobile, Ala., $100,667. Noted Sept. 14.

Miss., Vicksburg—Levee Work—Upper Texas Levee Dist., Arkansas River, Ark., let contract about 680,000 cu.yd. levee work to ROACH & STANSELL Memphis, Sect. 1, $40,800, Sect. 2, $30,713, Sect. 3, $40,950, Sect. 4, $42,775.

La., New Orleans—Levee Work—Bids for levee work recommended for acceptance were: Kempe Levee, 150,000 cu.yd. F. T. Constant, Alexandria, 31½c. per cu.yd.; L'Argent sublevee, 3,000 cu.yd., H. T. Van Fosen, Lake Providence, 16c.; White Oak Lake Levee, 51,000 cu.yd., Jackson Construction Co., Natchez, 42.9c.; Atchafalya Dist. Levee, 700,000 cu.yd., Gresser Contracting Co., New Orleans, 13.47c.

Ohio, Wooster—Animal Building—Bd. Control Ohio Agriculture Experiment Station let contract to LONG & BOGNER, Wooster, $4,487. Noted Aug. 10.

Wis., Superior—Ore Dock—Minneapolis, St. Paul & Sault Ste. Marie Ry. let contract to PEPPARD & FULTON. C. N. Kalk, Minneapolis, Ch. Engr.

Minn., Claremont—Dam—County let contract dam northwest side Rice Lake to E. T. MARSHALL, Claremont.

Wash., Seattle—Market—City let contract, 6th Ave. and Pine St., to BOOKER KIEHL & WHIPPLE, Central Bldg., Seattle. About $30,000.

Wash., Seattle—Shed—Port Comrs. let contract transit shed foot of Spokane St. to HARRINGTON PETERS CO., Oriental Bldg., Seattle, $32,800. Noted July 27.

Ore., Portland—Retaining Wall—Multnomah County let contract to PALMER-ELLISON CONSTRUCTION CO., Henry Bldg., about $5,616. Noted Aug. 24.

Calif., Martinez—Fire Protection System—City let contract to GAMEWELL FIRE ALARM SYSTEM, 86 3rd St., about $5,000. Noted Mar. 16.

Ont., Windsor—Grand Stand—Western Racing Association let contract grand stand and barns to L. A. CARRIERE, 57 Chatham St., W., Windsor. About $50,000.

BUILDINGS

Proposed Work

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

N. H., Exeter—(Official)—Gymnasium and Swimming Pool—Phillips Exeter Academy receiving bids Oct. 23, 10-story, 80x100-ft. F. A. Colby, 15 East 40th St., New York, Arch. Noted Sept. 14.

Mass., Reading—Commonwealth of Massachusetts making plans for administration and hospital building, 2-story. H. F. Kellogg, 141 Milk St., Arch.

Buildings (Continued)

Conn., Bridgeport—Y. W. C. A. making plans for building about $225,000. J. G. Ludlum, 1087 Broad St., Pres. D. Barber, 125 East 74th St., New York, Arch.

Conn., Bristol—Recreation Building—E. L. Wismer, 31 Maple St., interested. About $150,000.

Conn., Fairfield—School—Town making plans for 2-story addition, about $40,000. Skinner & Walker, 1188 Main St., Bridgeport, Arch.

N. Y., Bayside—(Official)—New York Telephone Co., 15 Dey St., New York, receiving bids for 3-story, 50x70-ft. building, about $80,000. H. C. Carpenter, 15 Dey St., New York, Arch.

N. Y., Buffalo—New York Central R.R. plans passenger terminals at Buffalo. G. W. Kittredge, Grand Central Terminal, New York, Ch. Engr.

N. Y., Elmira—Elmira College revising plans for 2-story dormitory, about $50,000. Pierce & Bickford, 118 Lake St., Arch.

N. Y., New Haven—Depot—New York, New Haven & Hartford R.R. plans election Oct. 25 to vote on $700,000 bonds. E. Gagel, New Haven, Ch. Engr.

N. Y., New York — (Bronx) — (Official)—Bd. Education making plans for Public School No. 32. C. B. J. Snyder, Park Ave. and 59th St., Manhattan, Supt. Schools.

N. Y., New York—(Manhattan)—(Official)—S. K. Jacobs, 428 4th Ave., making plans for 30-story loft building, Broadway and 48th St., about $800,000. E. Litchfield, 477 5th Ave., Arch.

N. Y., Syracuse—(Official)—Y. W. C. A. receives bids in about 2 months for 4-story building, about $150,000. Taylor & Bonta, 615 Guerney Bldg., Arch. Noted Oct. 5.

N. J., Atlantic City—Hotel Royal Palace, Euclid Ave., making plans for addition, about $750,000. W. Hanstein, Mgr.

N. J., Atlantic City—Hotel—G. W. Carmany Estate, South Tennessee Ave., made plans alterations and addition to Fredonia Hotel. About $50,000. S. H. Vaughan, Guarantee Trust Bldg., Arch.

N. J., Woodbury—Clubhouse—Altwood Country Club making plans, 2-story. O. R. Parry, Arch.

Penn., Brownsville—Pennsylvania R.R. plans office building and depot. A. C. Shand, Broad St. Station, Philadelphia, Ch. Engr.

Penn., Johnstown—High School—Bd. Education receives bids about Dec. 1. About $200,000. W. A. Cochran 605 Central Ave., Pres. J. E. Adams, Lincoln Bldg., and G. Wild, 734 Main St., De signing Arch. Noted Aug. 24.

Penn., Pittsburgh—Passavant Hospital, Reed and Miller St., plans addition. About $100,000.

Penn., Pittsburgh—Church—East End Christian Church making plans, Shady Lane and Howe St., about $150,000. Janssen & Abbott, Arch.

Penn., York—School—Bd. Education plans, about $40,000. D. Keeder, Secy. R. E. Stair, Jr., Guardian Trust Bldg. and E. Leber, Hay Bldg., Arch., about $40,000.

Del., Wilmington—Church—Westminster Presbyterian Church making plans, Pennsylvania and Rodney St., about $40,000. E. C. May, Wilmington. Arch.

D. C., Washington—Knickerbocker Theater Co. made plans 3-story, 125x159x173-ft. auditorium, store and office building. About $80 000. R. W. Geare, Woodward Bldg., Arch.

Va., Charlottesville—Club House—University of Virginia making plans, 2½-story, 100x150-ft., about $40,000. Ferguson, Calrow & Wrenn, Virginia National Bank Bldg., Norfolk, Arch. Noted Aug. 10.

N. C., Hickory—Office—Southern Public Utilities Co. plans.

N. C., Rockingham—Court House—Richmond County plans, about $75,000. Address Clk., Wentworth.

S. C., Greenville—Court House—County plans, about $50,000. Address Clk., Greenville.

La., Bogalusa—Schools—See item under "Water-Works."

Tenn., Murfreesboro—High School — Citizens voted $75,000 bonds. G. B. Giltner, Mayor. Noted Sept. 21.

Ky., Covington—Eagles No. 329 plan home on East 8th St., about $50,000.

Ky., Shelbyville—High School—Joseph & Joseph, Atherton Bldg., Louisville, receiving bids Oct. 23 2-story, 60x125-ft. About $50,000. E. Smith, Shelbyville, Secy. Bd. Education. Noted Sept. 21.

Ohio, Elyria—Theater—American Theater Co. plans, about $45,000.

Ohio, Fostoria—Club House—Fostoria Country Club plans. McLaughlin & Hulskin, Lima, Arch.

Ohio, Norwood—(Official)—School—Bd. Education receives bids in 60 or 90 days, about $120,000. H. Ryland, Clk. Bausmith & Drainie 901 Gerke Bldg., Cincinnati, Arch. Noted Oct. 5.

Ohio, Warren—First Presbyterian Church soon receives bids for alterations and additions, about $88,000. Crow, Lewis & Wickenhoefer, 200 5th Ave., New York, Arch. Noted June 29.

Ind., Gary—First Reformed Church plans building, 5th and Pierce St., about $50,000. J. M. Johnson, Pastor.

Ind., Indianapolis—Station—Vandalia Railroad Co. Vandalia, plans. F. T. Hatch, St. Louis, Ch. Engr.

Mich., Marquette—High School—Bd. Education making plans, 3-story. A. R. Watson, Marquette, Supt. J. D. Chubb, 109 North Dearborn St., Chicago, Arch.

Ill., Oak Park—Parish House—Grace Episcopal Church making revised plans, 2-story, about $40,000. F. Godolphin, 924 Lake St., Pastor. C. E. White, 139 North La Salle St., Chicago, Arch.

Wis., Eau Claire—City election Nov. 7 to vote on $45,000 bonds for public building.

Wis., Madison—Episcopal Societies plan University Church, about $250,000. J. M. Boyd, 313 Wisconsin Ave., interested. Childs & Smith, 1263 Peoples Gas Bldg., Chicago, Arch.

Iowa, Cedar Rapids—Office—W. C. Dow, Dow Blk., making plans, 10-story, brick, stone and rein.-con. About $200,000. H. I. Cobb, 527 5th Ave., New York, Arch.

Iowa, Des Moines—Des Moines Consistory No. 3 plans consistory cathedral, about $300,000. K. L. Kaffer, 610 Youngerman Bldg., 5th and Mulberry St., Arch.

Minn., Duluth—Zenith Telephone Co. plans 3-story rein.-con. building on 1st St., about $60,000.

Minn., Duluth—Theater—E. A. Nelson, 2107 West Superior St., plans, about $50,000. Holstead & Sullivan, 410 Palladio Bldg., Arch.

Minn., Duluth—Synagogue—Temple Emmanuel Church plans, about $50 000. Address M. Lefkovits.

Minn., Hibbing—Holstead & Sullivan, Arch., Palladio Bldg., Duluth, making plans for detention hospital, about $60,000.

Minn., Mora—High School—School Bd. making plans, about $50,000. C. E. Williams, Clk. E. F. Broomhall, 710 Alworth Bldg., Duluth, Arch. Noted Sept. 14.

Minn., Owatonna—High School—Citizens voted $150,000 bonds. Noted Sept. 21.

Minn., St. Cloud—St. Raphael's Hospital Association plans hospital, about $150,000.

Minn., St. Paul—St. Paul Union Depot Co. plans, about $15,000,000.

Minn., Twin Valley—City Hall—City soon lets contract, about $50,000. A. F. Fridlund, Moorhead, Arch.

Minn., Virginia—High School—City making plans. About $100,000. C. E. Nystrom, Palladio Bldg., Duluth, Arch.

Kan., Marion—School—City election Dec. 1 to vote on $50,000 bonds. T. W. Williamson & Co., Topeka, Arch. Noted Sept. 7.

Neb., Omaha—St. Mary's Ave. Congregational Church plans new building. About $150,000.

Mont., Bozeman—Bozeman Deaconess Hospital making plans, about $80,000.

Mont., Livingston—High School—City plans election to vote on $45,000 bonds.

Mo., Galena—Court House—Stone County election Nov. 7 to vote on $50,000 bonds. Address County Clk., Galena.

Ark., Helena—Station—Illinois Central and Missouri & North Arkansas R.R. plans, about $300,000. A. S. Baldwin, Chicago Ch. Engr. of former and W. C. Galbreath, St. Louis, Ch. Engr. of latter.

Tex., Denison—School—School Bd. receiving bids Oct. 26. About $50,000. C. H. Page & Bros., Austin, Arch. Noted Sept. 7.

Tex., Waco—Central Texas Baptist Sanitarium making plans for building. About $100,000. J. F. Rowe, secy. G. Burnett, 212 Cameron Bldg., Arch. Noted Oct. 5.

Okla., Sapulpa—High School—City election Nov. 7 to vote on $75,000 bonds. Noted June 1.

Okla., Stillwater—Court House—Payne County election Nov. 7 to vote on $100,000 bonds for courthouse. W. T. Keys, Stillwater, County Clk.

Okla., Tulsa—(Official)—Office—Tulsa—Sinclair Oil and Gas Co. receiving bids Oct. 26, about $200,000. C. K. Birdsall, 1002 Commerce Bldg., Kansas City, Arch. Noted Oct. 5.

Okla., Tulsa—F. A. Haver, 1415 South Cheyenne St. soon receives bids for 3-story business building, about $45,000. G. Winkler, Palace Bldg., Arch.

Colo., Pueblo—Auditorium and City Hall—Council received no bids Sept. 30. About $220,000. New bids. J. Jackson, City Clk. W. W. Stickney, Arch. Noted Sept. 21.

Calif., Riverside—Depot—Atchison, Topeka & Santa Fe Ry. plans. C. F. W. Felt, 5344 Hyde Park Blvd., Chicago, Ch. Engr.

Bids in and Contracts Awarded

Maine, Bangor—Store—C. W. Morse let contract, 1-story, 80x195-ft., to E. C. HODGINS & SON, Bangor about $50,000.

Mass., Chelsea—School—C. S. Cunningham & Sons Construction Co., Boston, at $134,200, low bidder. Noted Aug. 10.

Mass., Haverhill—School—J. M. Roche $73,786, submitted lowest bid for Elm St. School. Noted May 4.

Mass., New Bedford—Low bidders central police station were H. T. Bulman Corporation 58 South 6th St., New Bedford, $145,000 and C. B. MAGUIRE CO., Turks Head Bldg., Providence, $146,000. Noted May 4.

Mass., Peabody—School—Diocese of Boston let contract 3-story, 70x150-ft. addition to C. LOGUE BUILDING CO., 18 Tremont St., Boston, about $40,000. Noted May 4.

Conn., Hartford—Parish House—Christ Church Society let contract 3-story to D. C. WEEKS & SON CO., 1123 Broadway, New York, about $150,000.

N. J., Clifton—School—Bd. Education let contract addition to School No. 7 to W. L. PLATT CONSTRUCTION CO., United Bank Bldg., Paterson, about $65,000. Noted Sept. 28.

N. J., Princeton—Club House—Dial Club let contract to MATTHEWS CONSTRUCTION CO., Princeton, about $45,000.

Penn., Philipsburg—Bank and Office—Meshannon National Bank let contract 3-story to W. LINKER CO., 331 Cherry St., Philadelphia, about $75,000.

Ohio, Lancaster—Church — German Lutheran Church let contract to J. D. VAN GUNDRY, Lancaster, about $53,000. Noted Sept. 21.

Ind., Bedford—Bedford Lodge No. 14, F. & A. M. let contract building to L. COLVIN, Anderson, about $79,100. Noted May 25.

Ind., Richmond—Hotel and Office—Tremont Realty Co. let contract 10-story to STRUCTURAL ENGINEERING CO., U. B. Bldg. Annex, Dayton, about $250,000.

Mich., Jackson—Bd. Education let contract East Side Intermediate High School to J. S. WAHLMAN, Ishpeming.

Wis., Appleton—Dormitory—Lawrence College let contract Russell Sage Dormitory to C. R. MEYER SONS, Oshkosh, about $100,000. Noted Sept. 28.

Wis., Berlin—School—Bd. Education let contract to A. J. KRAMP, Berlin, about $90,000. Noted Aug. 24.

Wis., La Crosse—Hospital—Lutheran Hospital Association let contract addition to P. NELSON, OWATONNA, about $70,000. Noted Aug. 3.

Wis., La Crosse—(Official)—City rejected bids for Normal School Bldg.

Iowa, Jefferson—School—Bd. Education let contract to GEROES, HINTZ & McKEE, Creston, $70,200. Noted Sept. 7.

Iowa, Sioux City—Florence Crittendon Home let contract improving building to F. X. BABUE & SONS, 307 Jackson St., about $50,000.

Iowa, Titonka—School—City let contract to G. PETERSON, Clear Lake, about $40,000. Noted Sept. 21.

Minn., St. Paul—Chapel—St. Thomas College let contract to F. M. HENNESSY CONSTRUCTION CO., about $75,000.

S. D., Mitchell—(Official)—Hospital—Methodist State Hospital rejected bids. Noted July 27.

Mo., Columbia—Bank and Office—Boone County National Bank let contract 2-story, to SIMON CONSTRUCTION CO., Columbia, about $50,000.

Tex., Beaumont—(Official)—Bd. Education let contract Pollard School Bldg. to McBRIDE & LAW, Beaumont, $52,123.

Okla., Okmulgee—Court House—County let contract to KREPKE-SCHAFFER CONSTRUCTION CO., El Reno, about $123,000.

Ariz., Prescott—Court House—Yavapai County let contract to H. W. AXTELL, Golden, about $250,000.

Wash., Seattle — Tacoma General Hospital let contract first unit of additions to J. E. BONNELL, 760 Commerce St., about $60,000.

The White Motor Truck Co., of Cleveland, Ohio, states that in the construction of the new $4,000,000 high level bridge at Cleveland, now approaching completion, over 60% of the materials have been handled by motor trucks of its manufacture. The material handled by the trucks includes 543,000 sacks of cement, about 77,000 tons of sand and of limestone, and 109,000 cu.yd. of mixed concrete. The company has recently booked an order from Stedman Bent, a hauling contractor of Philadelphia, Penn., for 50 trucks of five tons capacity each. This is claimed to be the largest order for motor trucks ever given by a contractor. When this order is delivered, Mr. Bent will have a total fleet of 61 White motor trucks in service.

Jetty at New West Minster, B. C.—The Marsh Power Contracting Co., New Westminster, B. C., received instructions from the Dominion Government to proceed with the construction of the third unit of the large jetty being constructed at the mouth of the Fraser River for the purpose of confining its channel. This unit will be 10,000 ft. in length and will cost about $500,000. It is proposed to construct another jetty on the other side of the river in order to keep the channel automatically clear. The first unit of the jetty completed last year was 6,000 ft. in length, that of the second unit, which was started in May, 1915, is 7,100 ft. in length. With the third unit completed this jetty will be approximately 14,000 ft. in length.

BARGE CANAL WORK, ALBANY, N. Y.

Contract 59

Bids were received by W. W. Wotherspoon, State Supt. Pub. Wks., for Barge Canal Work, Contract 59, Erie Canal, Sect. 9, from (A) Larkin & Sangster, Buffalo; (B) Murphy Dredging and Contracting Co., Baltimore; (C) MacArthur Bros., New York. The item bids were as follows:

	A	B	C
Clearing (lump sum)	$1,000.00	$1,000.00	$1,000.00
779,809 cu.yd. excavation	1.10	.89	.90
501 M ft. b.m. sheeting and bracing	55.00	50.00	55.00
19,000 lin.ft. round timber bracing	.25	.25	.25
20,560 cu.yd. forming embankment, first class	.15	.15	.18
348,320 cu.yd. forming embankment, second class	.08	.08	.09
67,390 cu.yd. loom surfacing	.30	.25	.26
215 cu.yd. lining	1.50	1.50	1.75
1 M ft. b.m. sawed lumber, yellow pine	50.00	50.00	60.00
32,460 lin.ft. foundation piles	.35	.30	.30
1110 sq.ft. ¼-in. steel sheet piling	.80	.80	.80
37,140 sq.ft. ¾-in. steel sheet piling	1.40	1.40	1.30
70,500 cu.yd. second-class concrete	7.75	7.80	7.22
2,860 cu.yd. first-class reinforced concrete	14.00	14.00	14.00
764 cu.yd. second-class reinforced concrete	12.00	12.00	12.00
208 cu.yd. first-class masonry	25.00	25.00	25.00
130 cu.yd. first-class masonry, relaid	12.00	12.00	12.00
8,680 lin.ft. repointing old masonry	.05	.05	.05
12,460 cu.yd. wash wall	2.00	2.00	1.75
70 sq.yd. third-class stone paving, grouted	3.00	3.00	3.50
260 sq.yd. cobble-stone paving, grouted	1.25	1.25	1.40
385 cu.yd. second-class rip-rap	2.75	2.75	3.00
17,000 cu.yd. rock spoil protection	.75	1.10	.70
17,930 lin.ft. 4-in. porous tile laid	.15	.15	.15
11,400 lin.ft. 6-in. vitrified pipe laid	.20	.20	.20
2,966 lin.ft. 8-in. vitrified pipe laid	.35	.35	.35
1,260 lin.ft. 12-in. vitrified pipe laid	.70	.70	.70
2,860 lin.ft. 18-in. vitrified pipe laid	1.20	1.10	1.10
700,070 lb. structural steel	.066	.065	.05
305,970 lb. metal reinforcement	.04	.04	.04
1,188 lb. metal duct	.12	.12	.12
13,880 lb. iron castings, plain	.04	.04	.04
7,480 sq.ft. portland cement sidewalks	.20	.20	.20
12,858 sq.yd. gravel walks	.25	.25	.25
210 sq.yd. relaying sidewalks	.50	.50	.50
2,696 sq.yd. asphalt pavement	2.25	2.25	2.25
17,530 sq.yd. macadam pavement	.85	.85	1.00
5,950 sq.yd. macadam resurfacing	.45	.45	.45
14,000 lin.ft. temporary wooden fence	.05	.05	.05
1,940 lin.ft. chain fence	.35	.35	.35
412 lin.ft. concrete balustrade on main drive bridge	5.00	5.00	5.50
1,380 lin.ft. concrete balustrade on foot bridges	3.00	3.00	3.00
1,430 sq.yd. waterproofing, one-ply	.20	.20	.23
950 sq.yd. waterproofing, two-ply	.30	.30	.35
60-acre seeding	25.00	25.00	25.00
Operating machinery Lower Red Creek (lump sum)	1,800.00	1,500.00	1,500.00
Maintaining park traffic (lump sum)	1,800.00	1,500.00	800.00
Maintaining highway traffic, Elmwood avenue bridge (lump sum)	480.00	400.00	400.00
Raising superstructure, Elmwood avenue bridge (lump sum)	600.00	500.00	600.00
20 catch basins complete	35.00	35.00	30.00
Coffer-dams, pumping, bailing and draining (lump sum)	72,000.00	66,000.00	50,000.00
Extended totals	$1,833,862	$1,664,315	$1,596,788

Contract 132

Bids were received by W. W. Wotherspoon, State Supt. Pub. Wks., for Barge Canal Work, Contract 132, Erie Canal, Sects. 5 and 6, constructing lighthouses, towers, beacons, etc., from (A) Engineer's Estimate; (B) Lupfer & Remick, Buffalo. The item bids were as follows:

	A	B
Clearing (lump sum)	$50.00	$50.00
Coffer-dam, pumping, bailing and draining (lump sum)	500.00	600.00
1,500 cu.yd. excavation	.45	.40
5 M ft. b.m. sheeting and bracing	60.00	40.00
1,000 lin.ft. foundation piles, 20 ft. long	.70	.84
8 M ft. b.m. wooden sheet piling	70.00	84.00
320 cu.yd. second-class concrete	8.00	9.60
370 cu.yd. first-class reinforced concrete	40.00	44.00
9,800 lb. metal reinforcement	.05	.05½
45,000 lb. structural steel	.09	.108
3,600 lb. iron castings	.06	.072
2,300 lb. wrought iron chain	.09	.10
800 lb. metal duct	.12	.14
3,000 lb. armored cable	.25	.25
300 lb. lead covered cable	.25	.25
3,200 lin.ft. trenching and backfilling for duct and cable	.20	.20
3 doors, windows and hardware for light houses	100.00	120.00
5 short spar buoys	1,900.00	2,200.00
4 double cone buoys	2,900.00	3,250.00
1 river type buoy	450.00	540.00
2 lighting equipments for Sylvan Beach and Frenchman's Island	2,300.00	2,700.00
2 lighting equipments for Cleveland and Constantia Rear Ranges	1,100.00	1,250.00
2 lighting equipments for Brewerton Ranges	1,050.00	1,200.00
2 steel cabinet lighting equipments with ground fresnal lenses	750.00	900.00
5 steel cabinet lighting equipments with pressed fresnal lenses	550.00	600.00
Lighting equipment for Syracuse Rear Range (lump sum)	500.00	550.00
Lighting equipment for Syracuse Front Range (lump sum)	300.00	350.00
2 lighting equipments for pile clusters	100.00	120.00
Extended totals	$63,937	$72,185

Contract 133

Bids were received by W. W. Wotherspoon, State Supt. Pub. Wks., for Barge Canal Work, Contract 133, Erie Canal, Sect. 4, constructing a lock at Mohawk from (A) E. Brown Baker; (B) MORRISON & QUINN, INC. Rochester (awarded contract). The item bids were as follows:

	A	B
10,250 cu.yd. excavation	$0.68	$0.60
10.2 M.F.B.M. sawed lumber—Y.P. or D.F.	72.00	60.00
3,800 cu.yd. forming embankment	.12	.12
12,800 lin.ft. foundation piles	.30	.36
945 M.F.B.M. wooden sheet piling	50.00	50.00
3,300 cu.yd. second-class concrete	9.25	8.00
4,200 lb. structural steel	.07	.065
7,600 lb. iron castings, plain	.045	.048
5,000 lb. iron castings, machined	.07	.07
Coffer-dams, pumping, bailing and draining (lump sum)	3,000.00	2,500.00
44 M.F.B.M. sheeting and bracing	20.00	50.00
Extended totals	$52,116.00	$48,910.00

Terminal Contract 201

Bids were received by W. W. Wotherspoon, State Supt. Pub. Wks., for Barge Canal Work, Terminal Contract 201, constructing terminal warehouses at Albany and Whitehall from (A) Engineer's Estimate; (B) Peter Keeler Building Co., Albany. The item bids were as follows:

	A	B
2,900 cu.yd. excavation	$0.60	$0.75
530 lin.ft. wooden fence	.30	.53
360 cu.yd. second-class concrete	8.00	12.00
25 cu.yd. reinforced concrete	15.00	16.00
700 lin.ft. 12-in. vitrified pipe	.35	.65
134,900 lb. structural steel	.05	.067
1,000 lb. iron castings	.04	.078
2,600 lb. metal reinforcement	.07	.066
11 lin.ft. w.-i. pipe railing	1.00	3.80
1,730 sq.yd. painting walls and ceilings	.35	.20
7,300 sq.ft. 8-in. terra-cotta tile	.20	.27
2,800 sq.ft. 4-in. terra cotta tile	.15	.15
570 sq.yd. exterior stucco	.60	.75
870 sq.yd. interior plaster	.50	.85
6,640 sq.ft. mastic flooring	.22	.24
Steel stairs (lump sum)	250.00	363.00
Steel railings (lump sum)	150.00	335.00
Wood railing (lump sum)	20.00	35.00
17 hollow metal windows	35.00	145.00
25 solid metal windows	12.00	45.00
2 hollow metal entrance doors	40.00	116.00
2 hollow metal vestibule doors	30.00	114.00
2 hollow metal repair-room doors	25.00	97.00
15 hollow metal interior doors	15.00	100.00
2 vault doors	75.00	95.00
10 warehouse doors	200.00	260.00
640 lin.ft. metal trim	.20	.50
104 square cement roofing tile	19.00	24.00
1.2 square terra cotta roofing tile	40.00	60.00
560 lin.ft. cornice	1.00	1.40
560 lin.ft. gutters	.40	.63
265 lin.ft. conductors	.40	.39
90 sq.ft. steel ceilings	.15	.24
Plumbing system (lump sum)	400.00	880.00
Heating system (lump sum)	850.00	1,540.00
Electric system (lump sum)	800.00	880.00
Set lockers (lump sum)	70.00	76.00
Automatic sprinkler system (lump sum)	1,200.00	1,766.00
Extended totals for Albany	$27,355.80	$41,016.95
1,850 cu.yd. excavation	.60	.75
360 lin.ft. wooden fence	.30	.53
210 cu.yd. second-class concrete	15.00	16.00
14 cu.yd. reinforced concrete	15.00	16.00
140 lin.ft. 12-in. vitrified pipe	.35	.65
77,900 lb. structural steel	.05	.067
830 lb. iron castings	.04	.078
1,330 lb. metal reinforcement	.07	.066
1,130 sq.yd. painting walls and ceilings	.35.00	.20
4,500 sq.ft. 8-in. terra cotta tile	.20	.27
1,950 sq.ft. 4-in. terra cotta tile	.15	.15
350 sq.yd. exterior stucco	.60	.75
640 sq.yd. interior plaster	.50	.85
3,600 sq.ft. mastic flooring	.22	.24
Steel stairs (lump sum)	250.00	450.00
Steel railing (lump sum)	150.00	335.00
13 hollow metal windows	35.00	145.00
10 solid metal windows	12.00	45.00
2 hollow metal entrance doors	40.00	116.00
2 hollow metal vestibule doors	30.00	114.00
12 hollow metal interior doors	15.00	100.00
2 vault doors	75.00	95.00
4 warehouse doors	200.00	260.00
450 lin.ft. metal trim	.20	.50
58 square cement roofing tile	19.00	24.00
1.2 square terra cotta roofing tile	40.00	60.00
360 lin.ft. cornice	1.00	1.40
360 lin.ft. gutters	.40	.63
160 lin.ft. conductors	.40	.39
90 sq.ft. steel ceilings	.15	.24
Plumbing system (lump sum)	400.00	825.00
Heating system (lump sum)	700.00	1,210.00
Electric system (lump sum)	540.00	594.00
Set lockers (lump sum)	50.00	57.00
Automatic sprinkler system (lump sum)	600.00	1,300.00
Extended totals for Whitehall	$16,444.80	$25,688.92
Extended grand totals	$43,800.00	$66,705.00

The City of Edmonton, Alta., is operating a hand paving plant for bituminous surfacing for street repairs with interesting and efficient results. The plant consists of a street tar kettle and stone heater; the materials are mixed by hand on a boiler sheet plate about 5-ft. square and hand tamped in place. This makes a very flexible and economical arrangement producing work of excellent appearance and fine wearing qualities, capable of resisting all ordinary traffic conditions. The cost of repair work of this nature averages about 75c. per sq.yd. The city is planning for the operation of a municipal paving plant.

Contract 81

Bids were received by W. W. Wotherspoon, State Supt. Pub. Wks., for Barge Canal Work, Contract 81, Erie Canal, Sect. 5, constructing a lock at Rome, from (A) CHESLEY, EARL & HEIMBACH, INC., Buffalo (awarded contract); (B) Scott Bros.; (C) Hydraulic Construction Co.; Grant, Smith & Co. and Locker, $59,833; Charles Kahn, $59,766; Dale Engineering Co., $64,489; Frank L. Cohen, $61,106. The item bids were as follows:

	A	B	C
15,800 cu.yd. excavation	$0.50	$0.40	$0.60
11 M ft. b.m. sawed lumber (Y. P. or D. F.)	70.00	72.00	55.00
3,100 cu.yd. forming embankment	.09	.10	.15
65 M ft. b.m. sheeting and bracing	45.00	50.00	45.00
17,300 lin.ft. foundation piles	.25	.20	.27
96 M ft. b.m. wooden sheet piling	45.00	50.00	45.00
3,950 cu.yd. second-class concrete	7.00	7.40	7.75
150 cu.yd. wash wall	2.50	2.50	3.00
3,820 lb. structural steel	.06	.072	.06
5,680 lb. iron castings, plain	.04	.048	.04
6,400 lb. iron castings, machined	.07	.084	.07
6,100 lb. tumble gate machinery	.13	.15	.13
150 cu.ft. chipping concrete	.95	1.00	1.00
30 lin.ft. drilling bolt holes in concrete	.50	1.00	1.00
Coffer-dams, pumping, etc. (lump sum)	3,600.00	3,600.00	2,500.00
Extended totals	$53,998	$54,317	$57,905

SEWER SYSTEM, PITMAN, N. J.

Bids were received Sept. 18 by Borough Council for constructing sewer system from (A) F. T. Bucklus, Jr., Philadelphia; (B) John M. Kelley Contracting Co., Camden; (C) MARTIN, MILLER & PIZZIMENTI, Caldwell (awarded contract). The item bids were as follows:

	A	B	C
1,090 lin.ft. 6-in. terra cotta pipe, 0 to 4 ft. deep	$0.40	$0.46	$0.40
611 lin.ft. 6-in. terra cotta pipe, 4 to 6 ft. deep	.50	.53	.45
1,129 lin.ft. 8-in. terra cotta pipe, 0 to 4 ft. deep	.45	.56	.50
16,172 lin.ft. 8-in. terra cotta pipe, 4 to 6 ft. deep	.50	.46	.50
44,813 lin.ft. 8-in. terra cotta pipe, 6 to 8 ft. deep	.65	.55	.55
2,338 lin.ft. 8-in. terra cotta pipe, 8 to 10 ft. deep	.90	.83	.95
799 lin.ft. 8-in. terra cotta pipe, 10 to 12 ft. deep	1.30	1.22	1.50
465 lin.ft. 8-in. terra cotta pipe, 12 to 14 ft. deep	2.00	1.53	2.25
591 lin.ft. 8-in. terra cotta pipe, 14 to 16 ft. deep	2.40	1.68	3.00
1,843 lin.ft. 10-in. terra cotta pipe, 0 to 4 ft. deep	.80	.67	.55
3,342 lin.ft. 10-in. terra cotta pipe, 4 to 6 ft. deep	1.00	.71	.65
3,297 lin.ft. 10-in. terra cotta pipe, 6 to 8 ft. deep	1.50	.80	.90
730 lin.ft. 10-in. terra cotta pipe, 8 to 10 ft. deep	2.00	1.00	1.50
174 lin.ft. 10-in. terra cotta pipe, 10 to 12 ft. deep	2.50	1.19	2.40
625 lin.ft. 12-in. terra cotta pipe, 0 to 4 ft. deep	.90	.78	.70
75 lin.ft. 12-in. terra cotta pipe, 4 to 6 ft. deep	1.30	.86	.75
605 lin.ft. 12-in. terra cotta pipe, 6 to 8 ft. deep	2.00	.80	.95
683 lin.ft. 15-in. terra cotta pipe, 0 to 4 ft. deep	1.30	1.26	.85
863 lin.ft. 15-in. terra cotta pipe, 4 to 6 ft. deep	1.50	1.37	.95
240 lin.ft. 15-in. terra cotta pipe, 6 to 8 ft. deep	1.75	1.54	1.50
145 terra cotta 6x5-in. "Y" branches	.25	.40	.56
2,592 terra cotta 8x5-in. "Y" branches	.30	.55	.50
220 terra cotta 10x5-in. "Y" branches	.50	.73	.70
35 terra cotta 12x5-in. "Y" branches	.83	.89	1.40
250 lin.ft. deep cut connections	.35	.22	1.00
10 lin.ft. 8-in. c.-i. pipe, 6 to 8 ft. deep (R.R. crossing)	4.00	3.43	5.00
74 lin.ft. 8-in. c.-i. pipe, 8 to 10 ft. deep (R.R. crossing)	4.00	4.86	5.50
96 lin.ft. 8-in. c.-i. pipe, 8 to 16 ft. deep (R.R. crossing)	4.25	4.90	5.00
20 lin.ft. 10-in. c.-i. pipe, 10 to 12 ft. deep (R.R. crossing)	5.25	3.58	5.50
80 lin.ft. 10-in. c.-i. pipe, 12 to 14 ft. deep (R.R. crossing)	5.25	5.26	7.50
16 manholes, 0 to 4 ft. deep	30.00	34.73	30.00
73 manholes, 4 to 6 ft. deep	40.00	41.61	30.00
96 manholes, 6 to 8 ft. deep	50.00	48.72	35.00
16 manholes, 8 to 10 ft. deep	60.00	60.32	45.00
5 manholes, 10 to 12 ft. deep	70.00	69.04	55.00
1 manhole, 12 to 14 ft. deep	90.00	77.59	65.00
2 manholes, 14 to 16 ft. deep	110.00	90.00	75.00
70 ft. drop pipe for drop manholes	1.00	.78	1.50
18 lampholes	12.00	8.05	15.00
1 flush tank, type "A-A," 4 to 6 ft. deep	180.00	149.21	135.00
3 flush tank, type "A," 6 to 8 ft. deep	170.00	195.16	145.00
5 flush tank, type "B-B," 5.5 to 6 ft. deep	110.00	106.00	80.00
16 flush tank, type "B," 6 to 8 ft. deep	95.00	109.25	75.00
5 flush tank, type "C," 4 to 6 ft. deep	142.00	105.04	100.00
55,000 ft. trench repaved with gravel	.01	.035	.04
2,000 8-in. pipe, Class "B," bituminous joints	.10	.085	.08
4,500 10-in. pipe, Class "B," bituminous joints	.12	.09	.10
1,600 15-in. pipe, Class "B," bituminous joints	.15	.15	.12
Extended totals	$77,500	$68,719	$67,497

PAVING, ST. LOUIS, MO.

Bids were received by Board of Public Service for paving Locust St. from Jefferson to Theresa Ave. from (A) Trinidad Asphalt Manufacturing Co.; (B) F. P. McCormick. The item bids were as follows:

	A	B
2,050 cu.yd. grading	$2.10	$2.00
25 sq.yd. remove granite blocks and bedding course	.25	.35
18,590 sq.yd. remove asphalt surface and binder course	.29	.30
215 sq.yd. remove old brick and bedding course	.20	.25
1,000 sq.yd. remove old concrete	.55	.50
8,490 lin.ft. granite curb 16 in. deep	1.17	1.15
215 lin.ft. granite curb 21 in. deep	1.27	1.35
1,360 tons asphalt binder course	10.20	10.20
21,515 sq.yd. refined asphalt wearing surface	.99	.98
80 sq.yd. vitrified brick wearing surface and bedding course	1.80	1.75
10 sq.yd. relaying granite block and bedding course	.40	.50
5,745 sq.ft. restoring granitoid walks	.23	.15
4,805 sq.ft. restoring brick walks	.17	.15
1,855 cu.yd. concrete	5.95	5.90
200 cu.ft. macadam, etc.	.06	.06
10 Ms planking, 2 in.	20.00	20.00
Extended totals	$68,133.00	$69,209.00

RAPID TRANSIT SYSTEM, NEW YORK, N. Y.

Route 12, Section 1B

Bids received by Public Service Commission, 120 Broadway, Sept. 13, for Route 12, Section 1B, a part of Broadway-Fourth Avenue Rapid Transit R.R. from (A) DEGNON CONTRACTING CO., 30 East 42d St. (awarded contract); (B) Smith, Hauser & MacIsaac; (C) F. L. Cranford, Inc.; Underpinning and Foundation Co., $1,074,977; Oscar Daniels Co., $1,089,659; E. E. Smith Contracting Co., $1,245,920. The item bids of the 3 lowest bidders were as follows:

	A	B	C
28,100 cu.yd. earth excavation above mean high water	$2.25	$3.50	$4.57
5,900 cu.yd. earth excavation below mean high water	3.00	3.50	4.57
640 cu.yd. earth excavation for sewers	2.50	5.00	4.57
Underpinning buildings on Hanson Place (lump sum)	30,000.00	20,000.00	16,500.00
16,100 cu.yd. tunnel excavation above mean high water	6.00	3.50	7.00
14,200 cu.yd. tunnel excavation below mean high water	8.00	3.50	7.00
13,500 cu.yd. concrete masonry	9.50	8.00	8.88
1,460 cu.yd. concrete masonry outside waterproofing	9.50	8.00	8.88
10 cu.yd. rubble stone masonry	6.00	10.00	8.00
10 cu.yd. dry rubble masonry	4.00	10.00	7.00
10 cu.yd. brick masonry	14.00	20.00	20.00
450 cu.yd. removal of old masonry	12.00	20.00	15.00
10 cu.yd. hollow tile masonry	14.00	20.00	15.00
1,000 bbl. grout of Portland cement	2.50	3.00	3.00
1,000 lin.ft. timber piles	.30	1.00	.25
2 M ft. b.m. timber foundations	40.00	100.00	75.00
50 cu.yd. broken stone	2.00	3.00	3.00
8,500 sq.yd. one-ply waterproofing	.60	.35	.60
100 sq.yd. two-ply waterproofing	.80	.70	.70
3,000 sq.yd. three-ply waterproofing	1.25	1.00	.80
100 sq.yd. four-ply waterproofing	1.60	1.20	.90
100 sq.yd. five-ply waterproofing	1.90	1.50	1.00
100 sq.yd. six-ply waterproofing	2.25	1.80	2.00
100 sq.yd. dry-ply waterproofing	.50	.35	.40
1,550 cu.yd. brick in asphalt mastic	12.00	23.00	26.00
50 lin.ft. 12-in. vitrified drain pipe	1.10	.60	1.00
50 lin.ft. 10-in. vitrified drain pipe	.90	.50	.80
50 lin.ft. 8-in. vitrified drain pipe	.70	.50	.70
50 lin.ft. 6-in. vitrified drain pipe	.50	.45	.60
50 lin.ft. 4-in. vitrified drain pipe	.30	.40	.50
50 lin.ft. 6-in. c.-i. drain pipe	1.25	1.00	1.00
50 lin.ft. 4-in. c.-i. drain pipe	1.00	.75	.75
50 lin.ft. 10-in. c.-i. drain pipe	1.75	1.50	1.50
50 lin.ft. 3-in. c.-i. pipe special extra heavy	1.00	.40	1.00
50 lin.ft. 4-in. c.-i. pipe special extra heavy	1.00	.50	1.25
50 lin.ft. 6-in. c.-i. pipe special extra heavy	1.50	.80	1.50
50 lin.ft. 8-in. c.-i. pipe special extra heavy	1.75	1.50	2.00
50 lin.ft. 3-in. galvanized w.-i. pipe	1.75	1.00	1.50
50 lin.ft. 6-in. galvanized w.-i. pipe	2.25	1.50	2.00
30,500 duct ft. tunnel ducts	.15	.15	.12
1,600 tons riveted steel	80.00	95.00	95.00
740 tons steel beams and shapes	80.00	88.00	82.00
20 tons steel rods	80.00	125.00	100.00
5 tons miscellaneous iron castings	75.00	70.00	80.00
5 tons miscellaneous iron furnishings	75.00	70.00	100.00
9,200 lb. special wire forms	.20	.25	.15
50 lin.ft. 1¼-in. oak or ash hand-rail	1.00	.50	.50
1,240 sq.ft. vault lights	1.50	1.10	1.60
590 sq.yd. sidewalk restored	2.00	1.50	2.00
990 sq.yd. repavement asphalt	3.00	2.75	3.00
50 sq.yd. repavement granite block	3.50	2.50	2.50
50 lin.ft. bluestone curb	1.50	1.25	1.25
50 lin.ft. 8-in. granite curb	1.75	2.00	2.50
7,000 lin.ft. ¾-in. w.-i. electric conduits	.40	.15	.30
500 lin.ft. 1¼-in. w.-i. electric conduits	.60	.25	.50
500 lin.ft. 2-in. w.-i. electric conduits	.75	.40	.60
1,500 lin.ft. 1-in. w.-i. electric conduits	.50	.25	.40
400 c.-i. outlet boxes	1.00	1.00	1.00
15 c.-i. pull boxes	5.00	1.50	1.50
100 lin.ft. 6-in. c.-i. pipe extra heavy	1.50	2.00	2.00
75 lin.ft. 3-in. c.-i. pipe extra heavy	1.00	1.00	1.50
300 lin.ft. 12-in. vitrified sewer pipe	5.00	2.00	3.00
150 lin.ft. 24-in. vitrified sewer pipe	6.00	4.50	6.00
1 ton c.-i. sewer pipe (straight)	80.00	75.00	60.00
1 ton c.-i. sewer pipe (special)	100.00	100.00	100.00
175 lin.ft. 3 ft., 6 in. x 2 ft., 4-in. sewer	10.00	20.00	6.00
Maintaining Long Island R.R. structure (lump sum)	88,000	165,000	15,000
250 lin.ft. 6-in. water pipe	1.25	2.00	1.50
100 lin.ft. 12-in. water pipe	1.50	2.50	2.50
100 lin.ft. 36-in. water pipe	2.00	5.00	3.00
6 service connections water	25.00	25.00	25.00
100 lin.ft. 3-in. c.-i. gas pipe	1.00	1.00	1.00
150 lin.ft. 4-in. c.-i. gas pipe	1.00	1.25	1.00
250 lin.ft. 6-in. c.-i. gas pipe	1.25	2.00	1.25
100 lin.ft. 8-in. c.-i. gas pipe	1.50	2.50	1.50
250 lin.ft. 6-in. w.-i. by-passing pipe	2.50	3.00	2.50
250 lin.ft. 8-in. w.-i. by-passing pipe	3.00	3.50	3.00
6 service connections gas	25.00	30.00	20.00
5 tons c.-i. hub and spigot (straight pipe)	40.00	40.00	50.00
2 tons c.-i. hub and spigot (special pipe)	60.00	100.00	100.00
100 lin.ft. 8-in. high pressure fire pipe	2.50	2.50	3.50
100 lin.ft. 20-in. high pressure fire pipe	5.00	5.00	4.00
4 tons c.-i. spigot and groove (straight pipe)	40.00	100.00	60.00
2 tons c.-i. spigot and groove (special pipe)	60.00	100.00	100.00
3,000 duct ft. electric ducts and conduits	.50	1.00	.75
100 lin.ft. 2½-in. w.-i. pipe electric ducts and conduits	1.00	1.25	1.00
100 lin.ft. 3-in. w.-i. pipe electric ducts and conduits	1.00	1.50	1.00
100 lin.ft. 3½-in. w.-i. pipe electric ducts and conduits	1.00	1.75	1.00
100 lin.ft. 2-in. Edison conduits	1.00	1.00	1.00
100 lin.ft. 2½-in. Edison conduits	1.00	1.50	1.00
6 service connections electric ducts	50.00	25.00	25.00
Extended totals	$810,625	$823,449	$839,305

The Sullivan Machinery Co. announces that Burt B. Brewster, for the past two years manager in Alaska with headquarters at Juneau, has been transferred to Salt Lake City, Utah. Walter F. O'Brien will succeed Mr. Brewster at Juneau.

SPECIAL OPPORTUNITIES SECTION

Contracts To Be Let

Bids received until Nov. 4, 1916.

Road Work

Atlantic City, N. J.

The Board of Chosen Freeholders of Atlantic County, N. J., will receive bids at Eleven o'Clock A.M. during a meeting to be held in Memorial Hall, New York Avenue, Atlantic City, N. J., November 4th, 1916, for extraordinary repairs to any number or all of the following roads, or to the three as a whole:

1—White Horse Pike from Absecon to Hammonton.
2—White Horse Pike from Hammonton to the Camden County Line.
3—Ocean Highway from Absecon to Sea View Golf Club.

Plans and specifications may be seen at the office of the Engineer for Atlantic County, N. J., Guarantee Trust Building, Atlantic City, N. J., where they may be obtained in return for a deposit of $10.00 for each set. Such deposit will be refunded if plans and specifications are returned by noon of November 6th, 1916. Bids must be made out on bidding blanks incorporated in the specifications.

The total work involved in the three roads is approximately as follows: Embankment, 8,736 cubic yards; Warrenite Pavement and Base Course, 287,475 square yards; Graveled Shoulders, 22,572 cubic yards; Gravel "C" for foundations, 14,853 cubic yards; Concrete Gutters, 5,366 square yards; Wooden Guard Rail, 20,500 lineal feet; together with quantity of Concrete Headers, Drainage Provisions, Catch Basins and other incidental items.

A certified check to the amount of $1,000 will be required with each bid and a contractor will be required to furnish a bond in the full amount of the contract price, which must guarantee maintenance for a period of five (5) years.

If the contract is awarded it will be conditioned upon the sale and delivery of bonds by Atlantic County for payment of the work under the contract, and a contract will not be executed and delivered to a contractor until said bonds have been issued, sold and delivered.

The right is reserved to reject any or all bids.

A. H. NELSON,
Engineer for Atlantic County.
DOMINIC CORSIGLIA,
Chairman of Road Committee.

Bids received until Oct. 26, 1916.

Street Lighting System

Pocatello, Idaho.

Sealed proposals will be received by the City Council until five P.M. on October twenty-sixth, 1916, for the construction of an incandescent street-lighting system in Local Street Improvement District Number Fifteen. The work will consist of the installation of about three hundred fifty-five (355) ornamental standards with underground cable and all accessories. Certified Check of Three Thousand Dollars. Construction bond, sixty per cent. of the contract price. The City Council reserves the right to reject any and all proposals and to waive any informality in any proposal received.

J. H. GILES, City Engineer.
A. R. DAWSON, City Clerk.

Bids received until Nov. 2, 1916.

Cast-Iron Water Pipe

OFFICE OF THE BOARD OF STREET AND WATER COMMISSIONERS OF THE CITY OF NEWARK, N. J.,
CITY HALL.
Newark, N. J., October 14, 1916.

Sealed proposals for straight cast-iron water pipe and special castings for the low-pressure system will be received at this office from 3:15 to 3:30 P.M. on Thursday, November 2, 1916, and opened at the last-named hour at a public meeting of the Board to be held at said time and place, for:

300 tons (2,000 lb.) of 6-inch cast-iron water pipe
428 tons (2,000 lb.) of 8-inch cast-iron water pipe
153 tons (2,000 lb.) of 10-inch cast-iron water pipe
197 tons (2,000 lb.) of 12-inch cast-iron water pipe
Ordinary special castings from 4 to 12 inches diameter—65 tons (2,000 lb.)
375 tons (2,000 lb.) of 16-inch cast-iron water pipe
10 tons (2,000 lb.) of 20-inch cast-iron water pipe
560 tons (2,000 lb.) of 24-inch cast-iron water pipe
98 tons (2,000 lb.) of 36-inch cast-iron water pipe
Ordinary special castings from 16- to 36-inch diameter—50 tons (2,000 lb.)

For the purpose of comparing bids in order to ascertain the low bidder, the summation of prices at the respective quantities for ordinary pipe and specials from 4- to 12-inch dia. will be included in one contract, and the pipe and specials from 16- to 36-inch (inclusive) in another contract, or the entire quantity may be awarded to one bidder, as may be deemed most advantageous for the city.

All f.o.b. cars Newark, N. J., according to specifications and drawings, which will be furnished upon application to the engineer and superintendent of the department of water.

Proposals must be accompanied by the consent in writing of two or more sureties (residents of Essex County, N. J.) or surety company authorized to do business in New Jersey, who qualify as to their responsibility in the amount of the proposal and agree to become sureties for the faithful performance of the contract, if awarded.

Each proposal must be enclosed in a sealed envelope, properly endorsed "Proposal for Cast-Iron Water Pipe and Special Castings," with the name of the bidder and directed to the Board of Street and Water Commissioners of the City of Newark, N. J.

The contract to be awarded to the lowest bidder, the Board reserving the right to reject any and all bids.

By direction of the Board.

MORRIS R. SHERRERD,
Chief Engineer.

Road or Concrete

CONTRACT WANTED

About $10,000 to $20,000, road or concrete. Would take subcontract for winter months. CL569—Eng. News.

Bids received until Dec. 7, 1916.

Subway

DEPARTMENT OF CITY TRANSIT
754 Bourse Building
Philadelphia, Oct. 9, 1916.

Sealed proposals, properly endorsed and addressed to the undersigned at the office above mentioned, will be received until 12 o'clock noon on Thursday, December 7, 1916, and opened immediately thereafter, for construction of a section of the Broad Street Subway, comprising a portion of the station under City Hall and the Market Street Subway, and work appurtenant thereto, known as Contract 102. This section will be about 300 feet long and 106 feet wide, embracing four tracks with two station platforms, and will include the underpinning of the west side of City Hall and also the Market Street Subway.

Plans and specifications can be seen at Room 748, Bourse Building, and copies of same with blank forms for proposals will be supplied to intending bidders upon deposit of $50 (cash or certified check) per set, pending return.

Bidders must be skilled and regularly engaged in this class of work.

No bid will be considered unless accompanied by a certificate from the City Solicitor that a proposal bond in the sum of five hundred (500) dollars has been filed in accordance with the provisions of an ordinance approved May 25, 1860.

The Director reserves to himself the right to reject any or all bids as he may deem best for the interest of the City of Philadelphia.

WM. S. TWINING, Director.

Bids received until Oct. 27, 1916.

Dairy Building

Cobleskill, N. Y.

Sealed proposals for Construction, Heating, Plumbing and Electric Work, Dairy Building, at the Schoharie State School of Agriculture, Cobleskill, N. Y., will be received by Hon. D. D. Frisbie, President of the Board of Trustees, at the Agricultural Hall, State and Lodge Streets, Albany, N. Y., until 2 o'clock on Friday, October 27th, 1916, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent. (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent. (50%) of the amount of contract within thirty (30) days after official notice of award of contract, and in accordance with the terms of Specifications Nos. 2563, 2590, 2591 and 2592. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the office of the Director, First National Bank Building, Cobleskill, N. Y.; at the New York Office of the Department of Architecture, Room 1224, Woolworth Building; and at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

Dated October 13, 1916.